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- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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[Continued on next page]

(54) **Title:** MULTIPLE HAND SIZE GLOVEBOX GLOVE

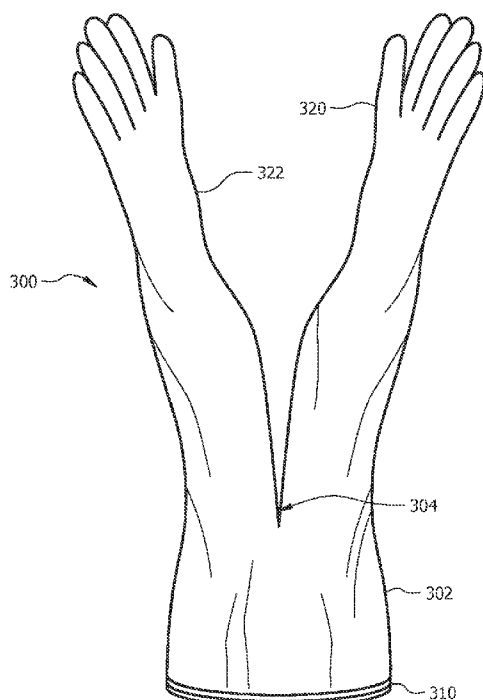


FIG. 3

(57) **Abstract:** Embodiments relate generally to glovebox gloves comprising multiple handsizes. A glovebox glove may comprise a first hand comprising a first handsizes, a second hand comprising a second handsizes, and a cuff operable to attach to a port in the glovebox. The first hand and the second hand may attach to one another and to the cuff. Access to both of the hands may be allowed through the cuff. The first handsizes may be different than the second handsizes, wherein one of the first hand and the second hand is used at a time by a user. In some embodiments, the glovebox glove may comprise a plurality of hands comprising different handsizes.



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MULTIPLE HAND SIZE GLOVEBOX GLOVE**CROSS-REFERENCE TO RELATED APPLICATIONS**

[0001] Not applicable.

**STATEMENT REGARDING FEDERALLY SPONSORED
RESEARCH OR DEVELOPMENT**

[0002] Not applicable.

REFERENCE TO A MICROFICHE APPENDIX

[0003] Not applicable.

BACKGROUND

[0004] Glovebox gloves may be installed into a glovebox and remain there for long periods of time, such as months, while one or more items are worked on within the glovebox. The interior of the glovebox may be isolated from the exterior of the glovebox, and replacement of the glovebox glove(s) may require that isolation to be broken, and therefore certain steps to be taken to ensure that the interior and/or exterior of the glovebox is not contaminated. Multiple workers may use a particular glovebox without being able to change the gloves attached to the glovebox.

SUMMARY

[0005] Aspects of the disclosure may include embodiments of a glovebox glove (300) for use in a glovebox (600), the glove (300) comprising a first hand (320) comprising a first hand characteristic; a second hand (322) comprising a second hand characteristic; and a cuff (302) operable to attach to a port (602, 604) in the glovebox (600), wherein the first hand (320) and the second hand (322) attach to one another and to the cuff (302); access to both of the hands is allowed through the cuff (302); the first hand characteristic is different than the second hand characteristic; and one of the first hand (320) and the second hand (322) is used at a time by a user.

[0006] In some embodiments, the first hand and the second hand may comprise an ambidextrous shape. In some embodiments, the first hand and the second hand may comprise a right hand shape. In some embodiments, the first hand and the second hand may comprise a left hand shape. In some embodiments, the first hand characteristic and the second hand characteristic comprise different hand sizes. In some embodiments, the glove may further comprise a third hand comprising a third handsize, wherein the third hand attaches to the first hand, the second hand, and the cuff, wherein access to the third hand is allowed through the cuff, wherein the third handsize is different than the first handsize and the second handsize, and wherein one of the first hand, the second hand, and the third hand is used at a time by a user. In some embodiments, the glove may comprise chlorosulfonated polyethylene synthetic rubber (CSM). In some embodiments, the glove may comprise one or more of: CSM, neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, polyurethane, fluoropolymer materials such as polyvinylidene fluoride, and lead loaded polymers. In some embodiments, the cuff may comprise a diameter between approximately 4 inches and approximately 16 inches. In some embodiments, the glove may further comprise a temporary attachment for one of the first hand and second hand, which is not being used, to be attached to a wall or floor of the glovebox. In some embodiments, the glove may be approximately 30 inches to approximately 35 inches long. In some embodiments, the glove may be approximately 10 inches to approximately 40 inches long.

[0007] Additional aspects of the disclosure may include embodiments of a glovebox glove for use in a glovebox, the glove comprising a first sleeve operable to attach to a first hand comprising a first handsize; a second sleeve operable to attach to a second hand comprising a second handsize; and a cuff operable to attach to a port in the glovebox, wherein the first sleeve and the second sleeve attach to one another and to the cuff, wherein access to both of the hands is allowed through the cuff,

wherein the first handsize is different than the second handsize, and wherein one of the first hand and the second hand is used at a time by a user.

In some embodiments, the hands may be removably attached to the sleeves and can be replaced. In some embodiments, the glove may further comprise a temporary attachment for one of the first sleeve and second sleeve, which is not being used, to be attached to a wall or floor of the glovebox. In some embodiments, the glove may comprise one or more of: CSM, neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, polyurethane, fluoropolymer materials such as polyvinylidene fluoride, and lead loaded polymers. In some embodiments, the glove may be approximately 30 inches to approximately 35 inches long.

[0008] Other aspects of the disclosure may include embodiments of a glovebox glove for use in a glovebox, the glove comprising a first hand comprising a first handsize; a second hand comprising a second handsize; a cuff operable to attach to a port in the glovebox; and an attachment for removably attaching one of the first hand and the second hand, which is not being used, to a wall or floor of the glovebox, wherein the first hand and the second hand attach to one another and to the cuff, wherein access to both of the hands is allowed through the cuff, wherein the first handsize is different than the second handsize, wherein one of the first hand and the second hand is used at a time by a user.

[0009] In some embodiments, the glove may comprise one or more of: CSM, neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, and polyurethane. In some embodiments, the attachment may comprise one or more of: Velcro, adhesive, a clip, a fastener, a pin, a hook, a catch, a clasp, and a snap. In some embodiments, wherein the glove further comprises a third hand comprising a third handsize, wherein the third hand attaches

to the first hand, the second hand, and the cuff, wherein access to the third hand is allowed through the cuff, wherein the third handsize is different than the first handsize and the second handsize, and wherein one of the first hand, the second hand, and the third hand is used at a time by a user.

[0010] These and other features will be more clearly understood from the following detailed description taken in conjunction with the accompanying drawings and claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] For a more complete understanding of the present disclosure, reference is now made to the following brief description, taken in connection with the accompanying drawings and detailed description, wherein like reference numerals represent like parts.

[0012] FIG. 1 illustrates an exemplary glovebox according to an embodiment of the disclosure;

[0013] FIG. 2 illustrates an exemplary glovebox glove according to an embodiment of the disclosure;

[0014] FIG. 3 illustrates an exemplary multiple handsize glovebox glove according to an embodiment of the disclosure;

[0015] FIG. 4 illustrates another exemplary multiple handsize glovebox glove according to an embodiment of the disclosure;

[0016] FIG. 5 illustrates yet another exemplary multiple handsize glovebox glove according to an embodiment of the disclosure; and

[0017] FIG. 6 illustrates another glovebox according to an embodiment of the disclosure.

DETAILED DESCRIPTION

[0018] It should be understood at the outset that although illustrative implementations of one or more embodiments are illustrated below, the disclosed systems and methods may be implemented using any number of techniques, whether currently known or not yet in existence. The disclosure

should in no way be limited to the illustrative implementations, drawings, and techniques illustrated below, but may be modified within the scope of the appended claims along with their full scope of equivalents.

[0019] The following brief definition of terms shall apply throughout the application:

[0020] The term “comprising” means including but not limited to, and should be interpreted in the manner it is typically used in the patent context;

[0021] The phrases “in one embodiment,” “according to one embodiment,” and the like generally mean that the particular feature, structure, or characteristic following the phrase may be included in at least one embodiment of the present invention, and may be included in more than one embodiment of the present invention (importantly, such phrases do not necessarily refer to the same embodiment);

[0022] If the specification describes something as “exemplary” or an “example,” it should be understood that refers to a non-exclusive example;

[0023] The terms “about” or “approximately” or the like, when used with a number, may mean that specific number, or alternatively, a range in proximity to the specific number, as understood by persons of skill in the art field; and

[0024] If the specification states a component or feature “may,” “can,” “could,” “should,” “would,” “preferably,” “possibly,” “typically,” “optionally,” “for example,” “often,” or “might” (or other such language) be included or have a characteristic, that particular component or feature is not required to be included or to have the characteristic. Such component or feature may be optionally included in some embodiments, or it may be excluded.

[0025] Embodiments of the disclosure include a glovebox glove comprising a plurality of hands with different handsizes. When multiple users are required to use a particular glovebox without

being able to change the gloves attached to the glovebox, the handsize of the gloves may not fit each of the users well. This may hinder the work done by the users within the glovebox and compromise dexterity and comfort of the user.

[0026] Applicants propose a multiple handsize glovebox glove to be installed on a port of a glovebox, which would allow for having the correct size glovebox glove for work in the glovebox that is used by several people having different hand sizes without having to change out the glovebox glove. Having a multiple handsize glovebox glove installed on a single port of the glovebox may allow for optimum comfort and productivity in the glovebox without having to change out the glove, which may be time consuming and costly. Glovebox gloves may be used in industries such as pharmaceutical, nuclear (power, manufacture, research, and disposal), as well as research labs in industry and at universities.

[0027] Referring now to FIG. 1, illustrates an exemplary glovebox 100 comprising a plurality of gloves 102 for accessing the interior 104 of the glovebox 100. The glovebox 100 may be used for completing work on items that need to be isolated from the environment. This may include work in industries such as pharmaceutical, nuclear (power, manufacture, research, and disposal), as well as research labs in industry and at universities. The glovebox 100 may comprise sets of gloves (such as a right glove and a left glove) at different positions on the glovebox 100 to allow access to different parts of the interior 104 of the glovebox 100. The gloves 102 may be attached to openings or ports 106 in the wall(s) 108 of the glovebox 100. The gloves 102 may seal with the port 106 to prevent cross contamination between the interior 104 of the glovebox 100 and the exterior environment.

[0028] FIG. 2 illustrates an exemplary glove 202 that may be used in a glovebox (as described above). The glove 202 may be designed to provide protection to the user and also allow for dexterity for the user to work on items in the glovebox. The glove 202 may comprise a sealing portion 210

around the edge of the glove 202 that may attach to a port of a glovebox (as described in FIG. 1). In some embodiments, the glove 202 may be shaped to fit a right hand or a left hand of a user. In other embodiments, the glove 202 may be shaped to fit both the right and left hands of a user.

[0029] FIG. 3 illustrates a multiple hand size glove 300 for use with a glovebox. The glove 300 may comprise multiple different handsizes attached to one opening. This may allow multiple users with different handsizes to work in the glovebox and use an appropriately sized glove, without having to replace the glove. The embodiment of FIG. 3 shows a glove 300 comprising a first hand 320 and a second hand 322, wherein the first hand 320 has a first handsizes and the second hand 322 has a second handsizes. The handsizes of the two hands may be different from one another. The glove 300 may also comprise a cuff 302, wherein a portion 310 of the cuff 302 may be attached to the port of a glovebox (as described above). The two hands 320 and 322 may attach to the cuff 302, wherein access to both of the hands 320 and 322 is allowed through the cuff 302. In the embodiment shown, a user may choose to use one of the hands 320 and 322 based on the size that most closely fits the user's hand.

[0030] In some embodiments, the glove 300 may be approximately 30-35 inches long. In some embodiments, the glove 300 may be up to 40 inches long. In some embodiments, the glove 300 may be approximately 30 inches long. In some embodiments, the glove 300 may be approximately 20 inches long. In some embodiments, the glove 300 may be approximately 10-15 inches long. The length of the glove 300 may depend on the user requirements and preference, and may be adjusted accordingly. In some embodiments, the cuff 302 of the glove 300 may comprise a diameter of between approximately 4 inches and approximately 16 inches. In some embodiments, the cuff 302 of the glove 300 may comprise a diameter of between approximately 8 inches and approximately 12 inches. In some embodiments, the cuff 302 of the glove 300 may comprise a diameter of between

approximately 8 inches and approximately 10 inches. The diameter of the cuff 302 of the glove 300 may depend on the user requirements and preference, and may be adjusted accordingly.

[0031] In some embodiments, the attachment point 304 between the first and second hands 320 and 322 may be closer to the cuff 302 and attachment to the port than to the ends of the hands 320 and 322, which may allow for the extra hand that is not being used to be placed aside within the glovebox and not interfere with the work being done using the other hand. In some embodiments, the glove 300 may comprise a temporary attachment for the extra glove to be attached to the wall and/or floor of the glovebox, such as Velcro or a clip.

[0032] In some embodiments, the hands 320 and 322 of the glove 300 may comprise sizes ranging from handsize 7 to handsize 11. In some embodiments, the hands 320 and 322 may comprise sizes ranging from handsize 8.5 to handsize 10.5. The handsize chosen for each of the hands 320 and 322 may depend on the user requirements and preference, and may be adjusted accordingly. For example, specific users who will be using the glovebox may be measured to determine which handsize(s) are best suiting for those users. Additionally, a group of users may be measured to determine average handsizes, extreme handsizes, etc. to determine the handsize(s) chosen for the hands 320 and 322 of the glove 300.

[0033] In some embodiments, the glove 300 may comprise one or more polymer materials typically used in glovebox gloves. These materials may include one or more of the following: chlorosulfonated polyethylene synthetic rubber (CSM), neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, and polyurethane, among other similar materials. Other material may include fluoropolymer materials such as polyvinylidene fluoride, and lead loaded polymers (which may be used for shielding in the nuclear processing

industry). Other polymers or combination of various layers or mixture of polymers could also be used.

[0034] In some embodiments, the thickness of the glove 300 may be approximately 15 mils to approximately 30 mils (wherein mils are equal to thousands of an inch). The glove 300 may be formed using a dipping method, wherein a glove form (possibly porcelain) may be made for each variation of handsize combinations, and wherein the glove form may be dipped into the polymer material that will form the glove 300. In some embodiments, partial dips may be used to provide thicker material on certain parts of the glove 300, such as the finger portion, palm portion, full hand portion, etc. Each variation of handsize and number of hands 320 and 322 may require a separate form. In some embodiments, multiple forms may be dipped at a time into the same polymer material.

[0035] FIG. 4 illustrates another embodiment of a glovebox glove 400 comprising three hands 420, 422, and 424, each comprising a different handsize. The glove 400 may comprise two, three, four, five, or more hands 420, 422, and 424, depending on the preferences and requirements of the user. The number of hands 420, 422, and 424 that may be available on a glove 400 may be limited by the application of use for the glove 400, wherein a large number of hands 420, 422, and 424 may require too much space within the glovebox and may not be practical.

[0036] The hands 420, 422, and 424 of the glove 400 may be similar to the hands 320 and 322 described in FIG. 3. The embodiment of FIG. 4 shows a glove 400 comprising a first hand 420, a second hand 422, and a third hand 424, wherein the first hand 420 has a first handsize, the second hand 422 has a second handsize, and the third hand 424 has a third handsize. The handsizes of the hands may be different from one another. The glove 400 may also comprise a cuff 402, wherein a portion 410 of the cuff 402 may be attached to the port of a glovebox (as described above). The hands 420, 422, and 424 may attach to the cuff 402, wherein access to all of the hands 420, 422, and

424 is allowed through the cuff 402. In the embodiment shown, a user may choose to use one of the hands 420, 422, and 424 based on the size that most closely fits the user's hand. In some embodiments, the attachment point 404 between the hands 420, 422, and 424 may be closer to the cuff 402 and attachment to the port than to the ends of the hands, which may allow for the extra hands that are not being used to be placed aside within the glovebox and not interfere with the work being done using the other hand.

[0037] FIG. 5 illustrates another embodiment of a glovebox glove 500 comprising detachable hand portions 532 and 530. The glovebox glove 500 may comprise multiple sleeves 520 and 522, wherein multiple sizes of hands 530 and 532 may be attached to the sleeves 520 and 522. In some embodiments, the hands 530 and 532 may attach to the sleeves 520 and 522 via one or more rings 534 and 536. In this embodiment, the sleeves 520 and 522 and cuff 502 of the glove 500 may be similar to the gloves 300 and 400 described above.

[0038] The embodiment of FIG. 5 shows a glove 500 comprising a first sleeve 520 and a second sleeve 522, wherein the first sleeve 520 is attached to a first hand 530 having a first handsize, and the second sleeve 522 is attached to a second hand 532 having a second handsize. The handsizes of the gloves may be different from one another. The glove 500 may also comprise a cuff 502, wherein a portion 510 of the cuff 502 may be attached to the port of a glovebox (as described above). The sleeves 520 and 522 may attach to the cuff 502, wherein access to both of the sleeves 520 and 522 is allowed through the cuff 502. In the embodiment shown, a user may choose to use one of the hands 530 and 532 based on the size that most closely fits the user's hand. In some embodiments, the attachment point 504 between the sleeves 520 and 522 may be closer to the cuff 502 and attachment to the port than to the ends of the gloves and/or sleeves, which may allow for the extra glove that is

not being used to be placed aside within the glovebox and not interfere with the work being done using the other glove.

[0039] In some embodiments, the glove 500 may comprise more than two sleeves, such as three, four or five sleeves. In one embodiment, the glove 500 may comprise a third sleeve operable to attach to a third hand comprising a third handsize, wherein the third sleeve attaches to the first sleeve, the second sleeve, and the cuff, wherein access to the third sleeve is allowed through the cuff, wherein the third handsize is different than the first handsize and the second handsize, and wherein one of the first hand, the second hand, and the third hand is used at a time by a user.

[0040] FIG. 6 illustrates a glovebox 600 comprising glovebox gloves 612 and 622 attached to the ports 602 and 604 of the glovebox 600. The first glove 612 may comprise a first hand 614 and a second hand 616. The second glove 614 may comprise a third hand 624 and a fourth hand 626. In some embodiments, the first glove 612 may be shaped to be a right hand glove, wherein both hands 614 and 616 may be right hands. In some embodiments, the second glove 622 may be shaped to be a left hand glove, wherein both hands 624 and 626 may be left hands.

[0041] In some embodiments, the attachment point 618 between the first and second hands 614 and 616 of the first glove 612 may be closer to the attachment to the port 602 than to the ends of the hands 614 and 616, which may allow for the second hand 616 that is not being used to be placed aside within the glovebox 600 and not interfere with the work being done using the first hand 614. In some embodiments, the glove 612 may comprise a temporary attachment 632 for the second glove 616 to be attached to the wall 606 and/or floor 608 of the glovebox 600. In some embodiments, the attachment 632 may comprise one or more of: Velcro, adhesive, a clip, a fastener, a pin, a hook, a catch, a clasp, and a snap. Additionally, the first glove 614 may be switched with the second glove 616, wherein the first hand 614 may be held by the attachment 632 and the second hand 616 may be

used. Methods for placing the unused glove out the way may include multiple options such as attaching the unused hand to the wall or floor of the glovebox, folding the unused hand back on itself, attaching the unused hand to the other hand, pulling the unused hand inside of itself, among other methods for placing, holding, and/or positioning the unused hand.

[0042] Similarly, the attachment point 628 between the third and fourth hands 624 and 626 of the second glove 622 may be closer to the attachment to the port 604 than to the ends of the hands 624 and 626, which may allow for the fourth hand 626 that is not being used to be placed aside within the glovebox 600 and not interfere with the work being done using the third hand 624. In some embodiments, the glove 622 may comprise a temporary attachment 634 for the fourth glove 626 to be attached to the wall 606 and/or floor 608 of the glovebox 600. In some embodiments, the attachment 634 may comprise one or more of: Velcro, adhesive, a clip, a fastener, a pin, a hook, a catch, a clasp, and a snap. Additionally, the third hand 624 may be switched with the fourth hand 626, wherein the third hand 624 may be held by the attachment 634 and the fourth hand 626 may be used.

[0043] While various embodiments in accordance with the principles disclosed herein have been shown and described above, modifications thereof may be made by one skilled in the art without departing from the spirit and the teachings of the disclosure. The embodiments described herein are representative only and are not intended to be limiting. Many variations, combinations, and modifications are possible and are within the scope of the disclosure. Alternative embodiments that result from combining, integrating, and/or omitting features of the embodiment(s) are also within the scope of the disclosure. Accordingly, the scope of protection is not limited by the description set out above, but is defined by the claims which follow, that scope including all equivalents of the subject matter of the claims. Each and every claim is incorporated as further

disclosure into the specification and the claims are embodiment(s) of the present invention(s). Furthermore, any advantages and features described above may relate to specific embodiments, but shall not limit the application of such issued claims to processes and structures accomplishing any or all of the above advantages or having any or all of the above features.

[0044] Additionally, the section headings used herein are provided for consistency with the suggestions under 37 C.F.R. 1.77 or to otherwise provide organizational cues. These headings shall not limit or characterize the invention(s) set out in any claims that may issue from this disclosure. Specifically and by way of example, although the headings might refer to a “Field,” the claims should not be limited by the language chosen under this heading to describe the so-called field. Further, a description of a technology in the “Background” is not to be construed as an admission that certain technology is prior art to any invention(s) in this disclosure. Neither is the “Summary” to be considered as a limiting characterization of the invention(s) set forth in issued claims. Furthermore, any reference in this disclosure to “invention” in the singular should not be used to argue that there is only a single point of novelty in this disclosure. Multiple inventions may be set forth according to the limitations of the multiple claims issuing from this disclosure, and such claims accordingly define the invention(s), and their equivalents, that are protected thereby. In all instances, the scope of the claims shall be considered on their own merits in light of this disclosure, but should not be constrained by the headings set forth herein.

[0045] Use of broader terms such as comprises, includes, and having should be understood to provide support for narrower terms such as consisting of, consisting essentially of, and comprised substantially of. Use of the term “optionally,” “may,” “might,” “possibly,” and the like with respect to any element of an embodiment means that the element is not required, or alternatively, the element is required, both alternatives being within the scope of the embodiment(s). Also,

references to examples are merely provided for illustrative purposes, and are not intended to be exclusive.

[0046] While several embodiments have been provided in the present disclosure, it should be understood that the disclosed systems and methods may be embodied in many other specific forms without departing from the spirit or scope of the present disclosure. The present examples are to be considered as illustrative and not restrictive, and the intention is not to be limited to the details given herein. For example, the various elements or components may be combined or integrated in another system or certain features may be omitted or not implemented.

[0047] Also, techniques, systems, subsystems, and methods described and illustrated in the various embodiments as discrete or separate may be combined or integrated with other systems, modules, techniques, or methods without departing from the scope of the present disclosure. Other items shown or discussed as directly coupled or communicating with each other may be indirectly coupled or communicating through some interface, device, or intermediate component, whether electrically, mechanically, or otherwise. Other examples of changes, substitutions, and alterations are ascertainable by one skilled in the art and could be made without departing from the spirit and scope disclosed herein.

CLAIMS

What is claimed is:

1. A glovebox glove (300) for use in a glovebox (600), the glove (300) comprising:

a first hand (320) comprising a first hand characteristic;

a second hand (322) comprising a second hand characteristic; and

a cuff (302) operable to attach to a port (602, 604) in the glovebox (600),

wherein

the first hand (320) and the second hand (322) attach to one another and to the cuff (302);

access to both of the hands is allowed through the cuff (302);

the first hand characteristic is different than the second hand characteristic; and

one of the first hand (320) and the second hand (322) is used at a time by a user.

2. The glovebox glove (300) of claim 1, wherein the first hand (320) and the second hand (322) comprise one of: an ambidextrous shape, a right hand shape, or a left hand shape.

3. The glovebox glove (300) of claim 1, wherein the first hand characteristic and the second hand characteristic comprise different hand sizes.

4. The glovebox glove (400) of claim 3 further comprising a third hand (424) comprising a third handsize, wherein the third hand (424) attaches to the first hand (420), the second hand (422), and the cuff (402), wherein access to the third hand (424) is allowed through the cuff (402), wherein the third handsize is different than the first handsize and the second handsize, and wherein one of the first hand (420), the second hand (422), and the third hand (424) is used at a time by a user.

5. The glovebox glove (300) of claim 1, wherein the first hand characteristic and the second hand characteristic comprise different hand textures.
6. The glovebox glove (300) of claim 1, wherein the glove (300) comprises chlorosulfonated polyethylene synthetic rubber (CSM).
7. The glovebox glove (300) of claim 1, wherein the glove (300) comprise one or more of: CSM, neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, polyurethane, fluoropolymer materials such as polyvinylidene fluoride, and lead loaded polymers.
8. The glovebox glove (300) of claim 1, wherein the cuff (302) comprises a diameter between approximately 4 inches and approximately 16 inches.
9. The glovebox glove (300) of claim 1 wherein when one of the hands is being used, the unused hand is placed out of the way by one of the following: attaching the unused hand to the wall or floor of the glovebox, folding the unused hand back on itself, attaching the unused hand to the other hand, pulling the unused hand inside of itself, among other methods for placing, holding, and/or positioning the unused hand.
10. The glovebox glove (300) of claim 1, wherein the glove (300) is approximately 30 inches to approximately 35 inches long.

11. The glovebox glove (300) of claim 1, wherein the glove (300) is approximately 10 inches to approximately 40 inches long.

12. A glovebox glove (500) for use in a glovebox (600), the glove (500) comprising:

a first sleeve (520) operable to attach to a first hand (530) comprising a first handsize;

a second sleeve (522) operable to attach to a second hand (532) comprising a second handsize; and

a cuff (502) operable to attach to a port (602, 604) in the glovebox (600),

wherein

the first sleeve (520) and the second sleeve (522) attach to one another and to the cuff (502);

access to both of the hands (530, 532) is allowed through the cuff (502);

the first handsize is different than the second handsize; and

one of the first hand (530) and the second hand (532) is used at a time by a user.

13. The glovebox glove (500) of claim 12, wherein the hands (530, 532) are removably attached to the sleeves (520, 522) and can be replaced.

14. The glovebox glove (500) of claim 12 further comprising a temporary attachment (632, 634) for one of the first sleeve (520) and second sleeve (522), which is not being used, to be attached to a wall (606) or floor (608) of the glovebox (600).

15. The glovebox glove (500) of claim 12, wherein the glove (500) comprise one or more of: CSM, neoprene rubber, nitrile rubber, natural rubber, butyl rubber, ethylene propylene diene monomer (EPDM) rubber, polyurethane, fluoropolymer materials such as polyvinylidene fluoride, and lead loaded polymers.

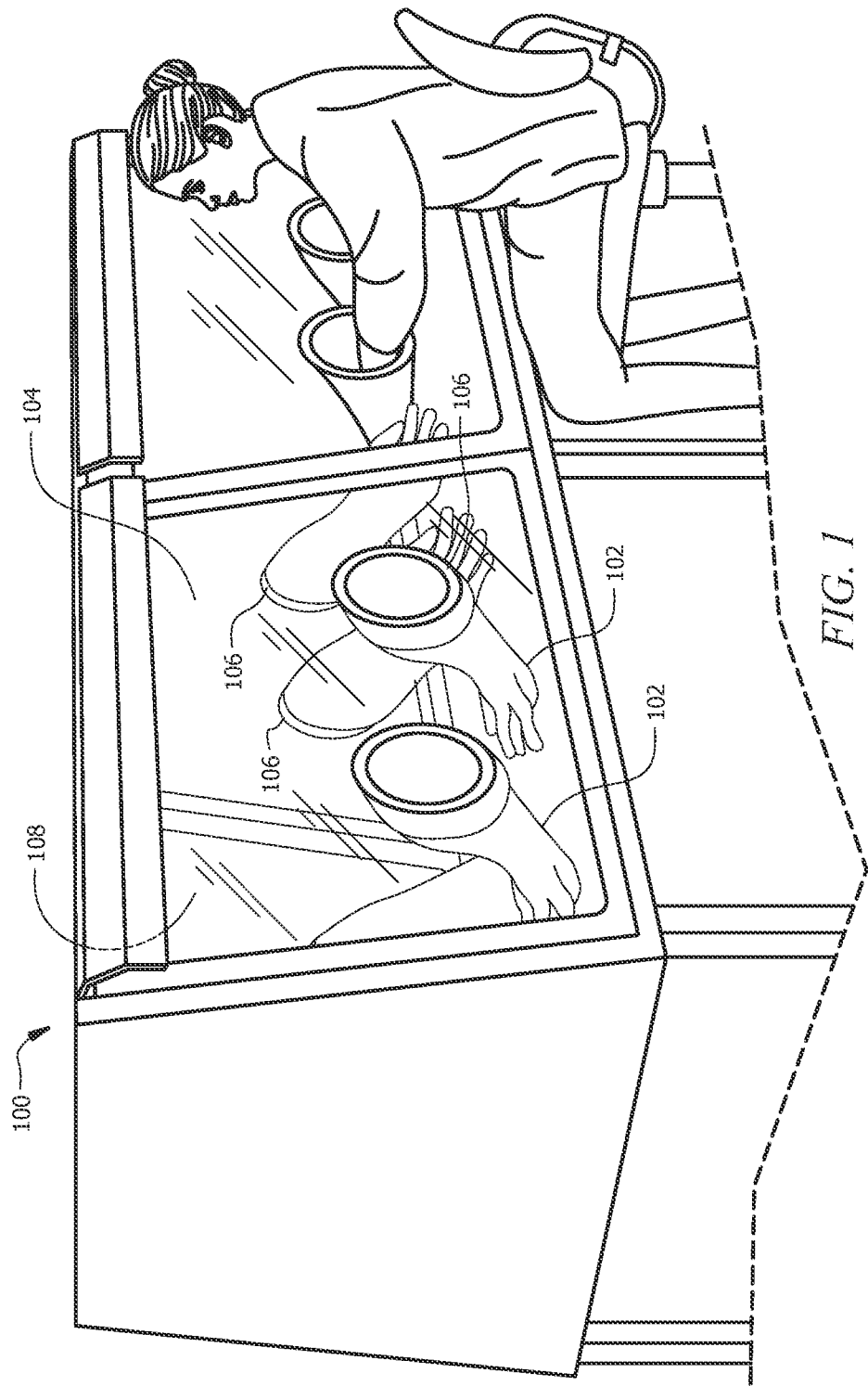


FIG. 1
(Prior Art)

2/5

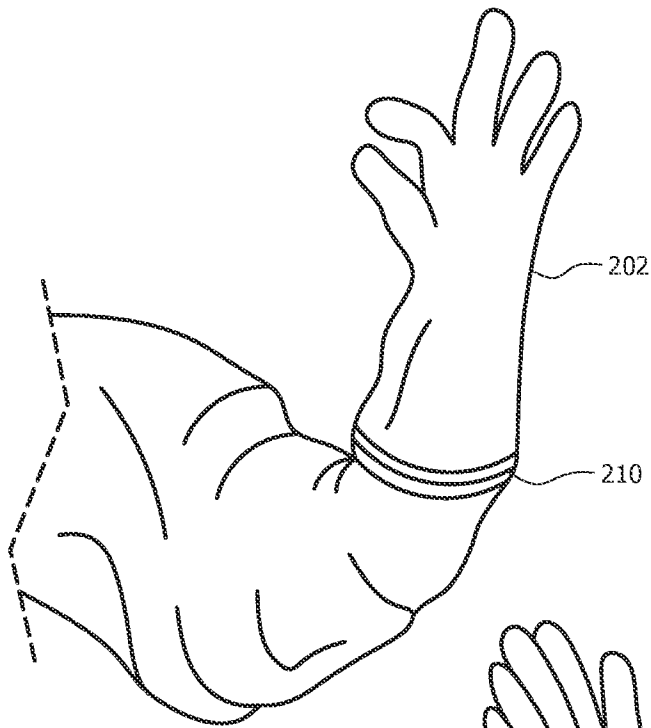


FIG. 2
(Prior Art)

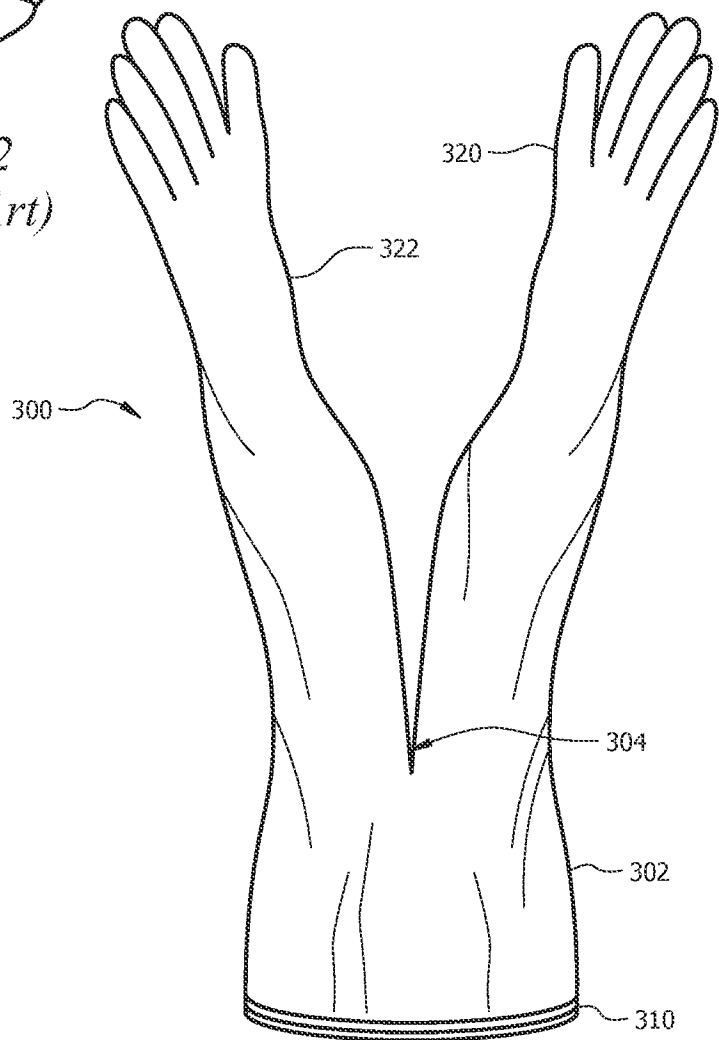


FIG. 3

3/5

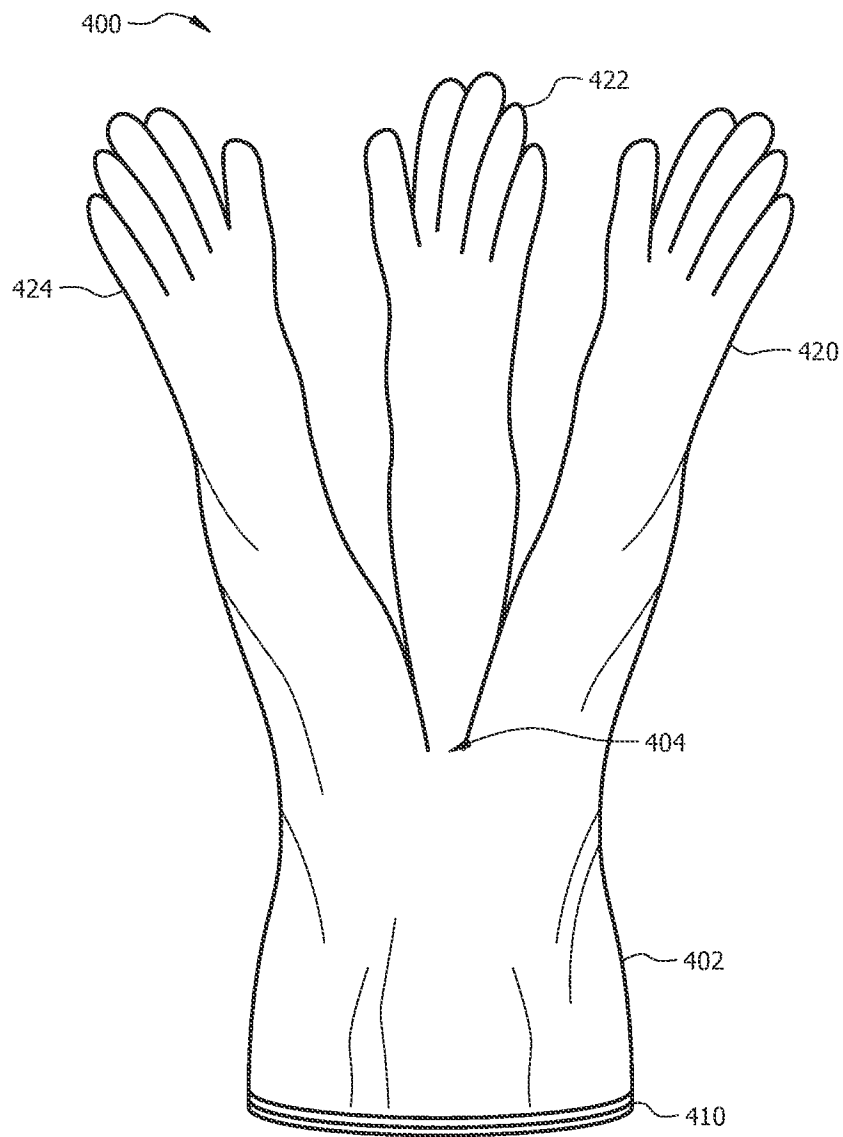


FIG. 4

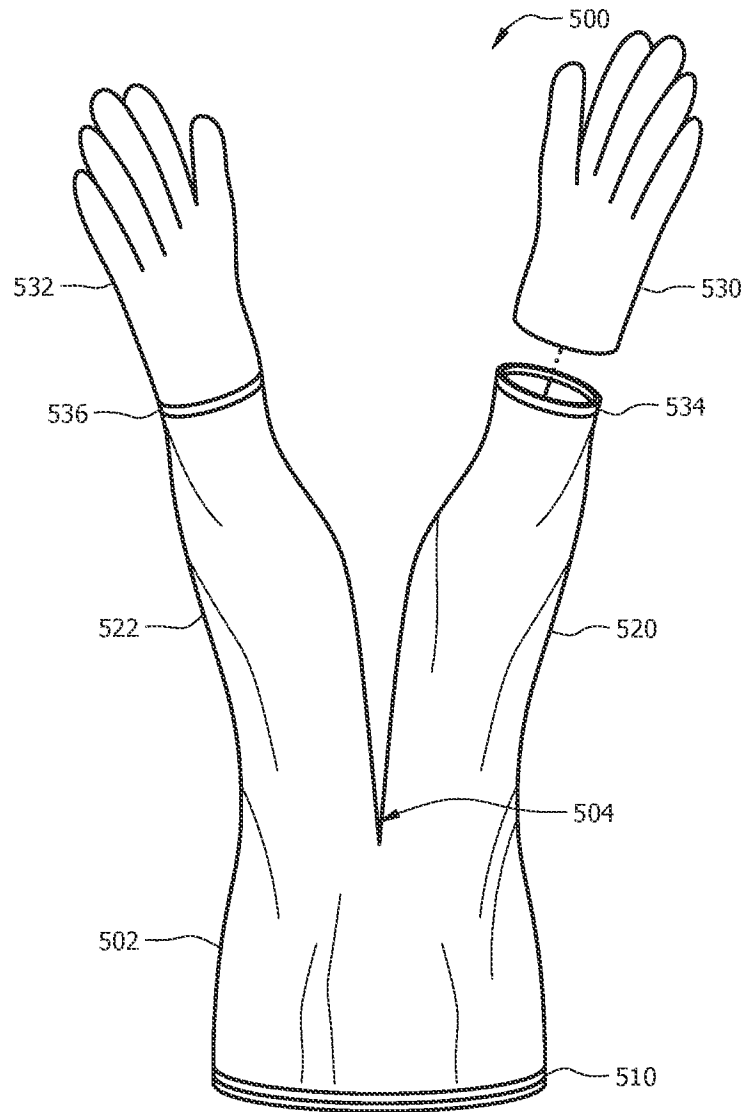


FIG. 5

5/5

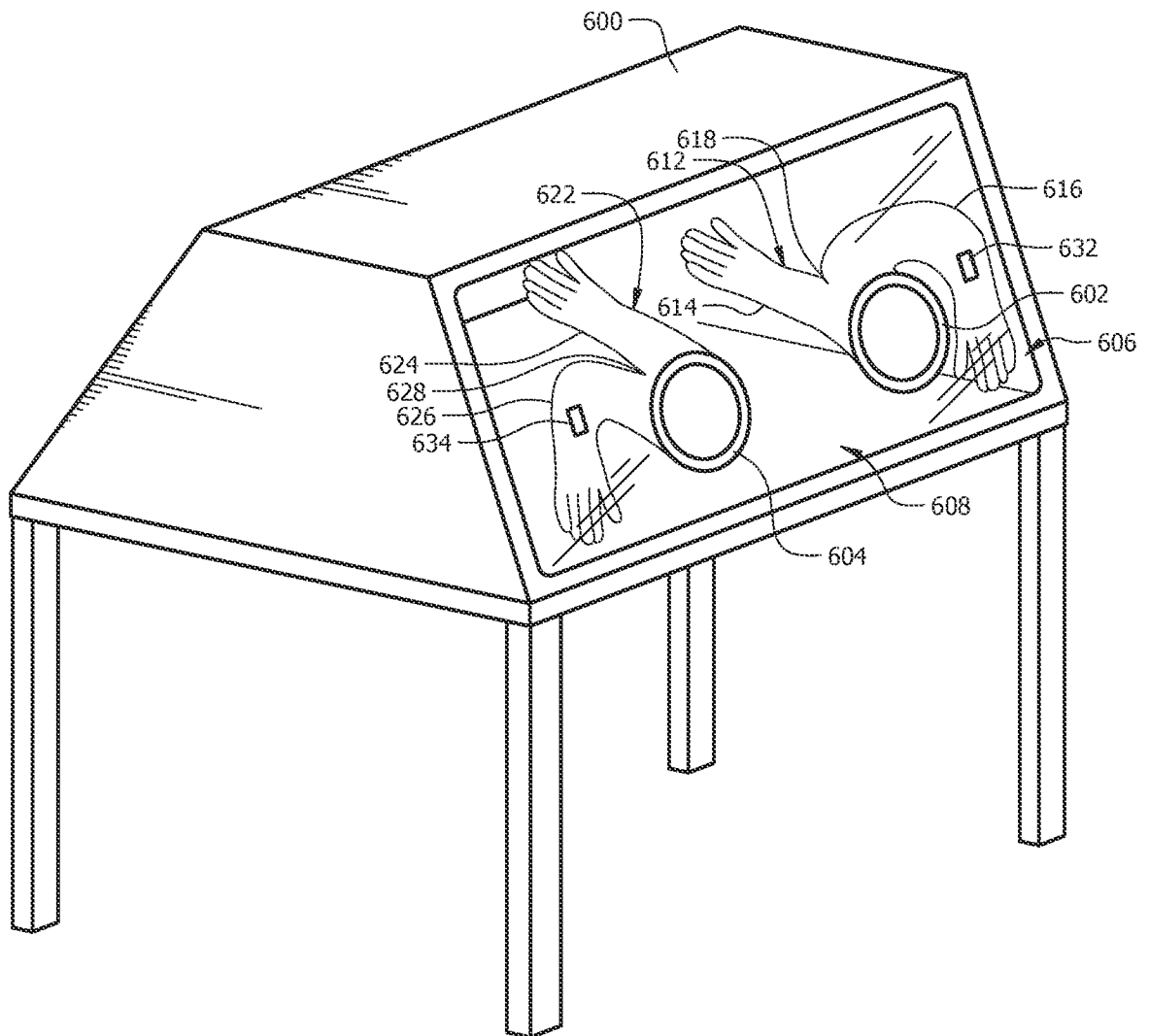


FIG. 6

A. CLASSIFICATION OF SUBJECT MATTER**B25J 21/02(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B25J 21/02; A47G 25/90; G21F 3/035; G21F 7/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & keywords: glovebox, glove, hand, cuff, hand size, hand texture, and temporary attachment

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 06-053087 U (NISSIN ELECTRIC CO., LTD.) 19 July 1994 See paragraphs [0018]-[0021] and figures 3-4.	1-11
Y		12-15
Y	US 5299243 A (PICCO, BERNARD) 29 March 1994 See column 3, lines 34-55 and figure 4.	12-15
A	US 2008-0217366 A1 (ROHARD, MICHEL) 11 September 2008 See paragraphs [0066]-[0080] and figure 2.	1-15
A	JP 2000-193788 A (JAPAN NUCLEAR CYCLE DEVELOPMENT INST STATES OF PROJECTS et al.) 14 July 2000 See paragraphs [0012]-[0017] and figures 1-2.	1-15
A	JP 08-062390 A (CHIYODA MEINTENANSU K.K.) 08 March 1996 See paragraphs [0022]-[0027] and figure 2.	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 February 2016 (22.02.2016)

Date of mailing of the international search report

23 February 2016 (23.02.2016)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2015/032926

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