



- (51) International Patent Classification:
A62C 3/08 (2006.01) A62C 99/00 (2010.01)
- (21) International Application Number:
PCT/US2012/043103
- (22) International Filing Date:
19 June 2012 (19.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/172,813 29 June 2011 (29.06.2011) US
- (71) Applicant (for all designated States except US): **THE BOEING COMPANY** [US/US]; 100 North Riverside Plaza, Chicago, Illinois 60606-2016 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MEIER, Oliver C.** [US/US]; 3333 164th Street Southwest, Apartment 2121, Lynnwood, Washington 98087 (US). **LEWINSKI, Daniel F.** [US/US]; 7928 276th Street Northwest, Standwood, Washington 98292 (US). **MILLER, Bruce R.** [US/US];

161 Northwest 56th Street, Seattle, Washington 98107 (US).

(74) Agents: **FIELDS, Kevin G** et al.; The Boeing Company, PO Box 2515, MC 110-SD54, Seal Beach, California 90740-1515 (US).

(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, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

[Continued on next page]

(54) Title: Scalable Cargo Fire-Suppression Agent Distribution System

(57) Abstract: A scalable cargo-fire-suppression agent distribution system and method is disclosed. A supply source unit subset of a set of fire-suppression agent supply source units is selected based on an operation condition to provide a selected supply source unit subset, and a fire-suppression agent from the selected supply source unit subset is distributed during the operation condition.

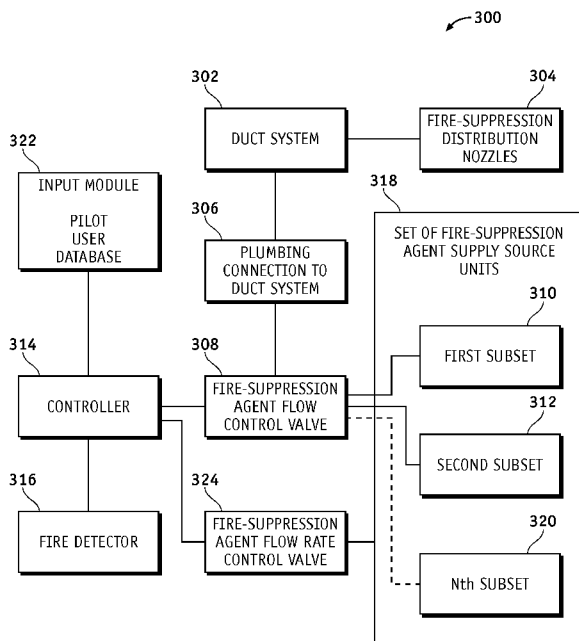


FIG. 3

WO 2013/003115 A3



MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, (88) Date of publication of the international search report:
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 20 February 2014
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/043103

A. CLASSIFICATION OF SUBJECT MATTER
INV. A62C3/08 A62C99/00
ADD.
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)
A62C

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/183869 A1 (LAZZARINI ANTHONY K [US]) 25 August 2005 (2005-08-25) abstract paragraph [0013] paragraph [0016] - paragraph [0023] -----	1-20
A	US 2006/021652 A1 (SURAWSKI ERIC [US]) 2 February 2006 (2006-02-02) paragraph [0019] abstract -----	1,13,20

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "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 12 November 2013	Date of mailing of the international search report 20/11/2013
---	--

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Nehrdich, Martin
--	--

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2012/043103

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005183869	A1	25-08-2005	US 2005183869 A1
			US 2008314603 A1

US 2006021652	A1	02-02-2006	AT 493337 T
			EP 1771332 A2
			EP 2332836 A2
			JP 4531813 B2
			JP 2008508136 A
			US 2006021652 A1
			US 2009071340 A1
			WO 2006020286 A2
