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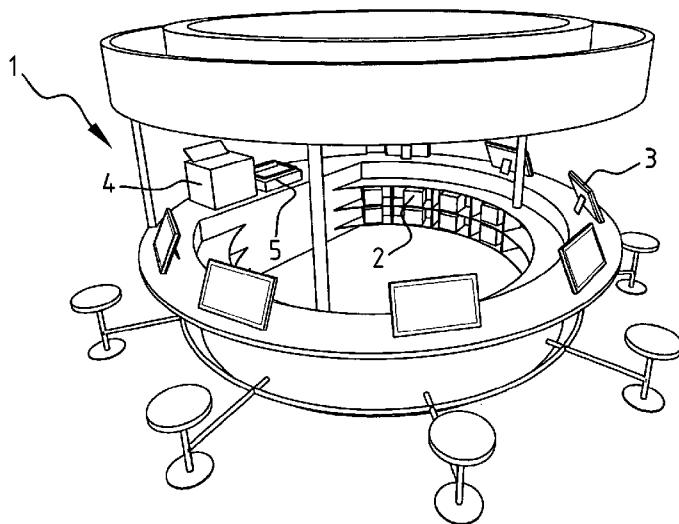
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- (71) **Applicants (for all designated States except US):**  
**DOLEH, Rany Zakaria Khalil** [AE/AE]; The Media Factory, Dubai Media City 209, Building No. 5, Second Floor, Dubai (AE). **SLATER, Andrea Kimberly** [GB/AE]; The Media Factory, Dubai Media City 209, Building No. 5, Second Floor, Dubai (AE).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** **FRAME, Russell** [GB/AE]; The Media Factory, Dubai Media City 209, Building No. 5, Second Floor, Dubai (AE).
- (74) **Agent:** **VERNOUT, Robert**; Sweelincplein 1, NL-2517 GK Den Haag (NL).

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(54) **Title:** A KIOSK AND METHOD FOR MAKING A PERSONALIZED MAGAZINE



**FIG. 1**

(57) **Abstract:** A kiosk for making a personalized magazine, comprising at least one container with a set of stacks of preprinted pages with editorial articles, the pages within each stack being identical and the pages of each distinct stack being different, said kiosk further comprising a user interface and a computer connected to said user interface, wherein said computer comprises a database with a set of page identifiers, each page identifier corresponding to one stack of preprinted pages in said container, wherein said user interface is arranged to receive user data, wherein said computer is arranged to select a subset of said page identifiers from said database based on said user data, and wherein said kiosk further comprises a binder for binding a subset of said preprinted pages from said container in accordance with said subset of page identifiers.

**A KIOSK AND METHOD FOR MAKING A PERSONALIZED MAGAZINE**

The invention relates to a kiosk for buying a magazine. Such a kiosk is generally known. At such a kiosk, a consumer can choose a magazine from the offered magazines, and buy the chosen magazine. However, often such a magazine contains also articles that are not interesting to its buyer.

It is an object of the invention to obviate these disadvantages, and/or to provide a kiosk where a consumer can buy a magazine that contains articles that better fulfills the needs of the consumer.

In order to accomplish that objective, the invention provides a kiosk for making a personalized magazine, comprising at least one container with a set of stacks of preprinted pages with editorial articles, the pages within each stack being identical and the pages of each distinct stack being different, said kiosk further comprising a user interface and a computer connected to said user interface, wherein said computer comprises a database with a set of page identifiers, each page identifier corresponding to one stack of preprinted pages in said container, wherein said user interface is arranged to receive user data, wherein said computer is arranged to select a subset of said page identifiers from said database based on said user data, and wherein said kiosk further comprises a binder for binding a subset of said preprinted pages from said container in accordance with said subset of page identifiers. An advantage of such a kiosk is that the page identifiers are selected by the computer based on the user data, so that the corresponding preprinted pages will probably be interesting to the user. Preferably, said user data comprises personal

data such as age, gender, etc., and user preferences such as economics, sports, etc.. Because the pages are preprinted, the collecting of the preprinted pages can be done fast, which is advantageous if the kiosk stands in a place where  
5 people are in a hurry. Such a place can be an airport, railway or bus station, a mall, etc.. The term kiosk includes any sales point, such as a shop, a counter, a vending machine, etc.. A second advantage of preprinted pages is that the editorial articles can have been printed  
10 on high quality paper so that the personalized magazine has the same quality and physical appearance as a standard magazine.

In one preferred embodiment of the kiosk according to the  
15 invention, said computer is further arranged to create a contents page image file in correspondence with said selected subset of said page identifiers, wherein the kiosk further comprises a printer connected to said computer for printing said contents page image file, and wherein said  
20 binder is arranged to bind said printed contents page together with said subset of preprinted pages.

In another preferred embodiment of the kiosk according to the invention, said computer further arranged to create a  
25 cover image file in correspondence with said user data, wherein the kiosk further comprises a printer connected to said computer for printing said cover image file, and wherein said binder is arranged to bind said printed cover together with said preprinted pages. An advantage of a  
30 creating a cover image file in correspondence with said user data, is that the cover is personalized, so that the personalized magazine can be distinguished easily from personalized magazines made by other users. Preferably, a

glossy paper is used for printing said cover image file, so that the personalized magazine has an attractive physical appearance.

5 In another preferred embodiment of the kiosk according to the invention, the kiosk further comprises a container with at least one stack of preprinted covers, wherein said binder is arranged to bind a preprinted cover together with said preprinted pages. An advantage of using preprinted covers,  
10 is that the collecting of a preprinted cover can be done fast.

In another preferred embodiment of the kiosk according to the invention, the kiosk further comprises a collecting  
15 device for collecting said subset of preprinted pages from said at least one container with preprinted pages and feeding the pages to said binder. An advantage of said collecting device is that the collecting of said preprinted pages can be done fast and/or accurately.

20 The invention further relates to a method for making a personalized magazine, comprising the steps of inputting user data via a user interface into a computer connected to said user interface, wherein said computer comprises a  
25 database with a set of page identifiers, each page identifier corresponding to one stack of preprinted pages, said computer selecting a subset of said page identifiers from said database based on said user data, collecting and binding a subset of said preprinted pages from a container  
30 with a set of said stacks of preprinted pages in accordance with said subset of page identifiers. An advantage of such a method is that the personalized magazine is personalized based on the user data, so that the pages which contain

editorial articles will probably be interesting to the user. Preferably, said user data comprises personal data such as age, gender, etc., and user preferences such as economics, sports, etc.. Because the articles are preprinted, the  
5 collecting of the preprinted pages can be done fast, which is advantageous if the kiosk stands in a place where people are in a hurry.

In one preferred embodiment of the method according to the  
10 invention, the method further comprises the step of creating and printing a contents page image file in correspondence with said subset of page identifiers, wherein said printed contents page is bound together with said preprinted pages.

15 In another preferred embodiment of the method according to the invention, the method further comprises the step of creating and printing a personalized cover image file based on said user data, wherein said printed cover is bound together with said preprinted pages.

20 In another preferred embodiment of the method according to the invention, the method further comprises a step of collecting a preprinted cover from a container with at least one stack of preprinted covers, wherein said preprinted  
25 cover is bound together with said preprinted pages.

In another preferred embodiment of the method according to the invention, the method further comprises the step of providing the user with the choice of deleting one or more  
30 page identifiers from said subset after said selection step. Deleting one or more page identifiers from said subset is advantageous because the user can delete page identifiers

that correspond to preprinted pages that are not interesting to the user, or that the user has already read.

The invention will now be explained in more detail with  
5 reference to figures illustrated in a drawing, wherein:

Fig. 1 shows a perspective view of a kiosk according to the invention; and

10 Fig. 2 shows a schematic diagram for the method of making a personalized magazine.

In figure 1 a kiosk 1 for making a personalized magazine is shown. Kiosk 1 comprises containers 2 with a set of stacks  
15 of preprinted pages with editorial articles. Each container 2 contains one stack, wherein the pages within each stack are identical. The pages of each distinct stack are different. The editorial articles are articles from several well known magazines. Kiosk 1 further comprises multiple  
20 user interfaces 3, and computers connected to said user interfaces 3. With a computer is meant a computer comprising processor means and a data storage. Each user interface 3 can be used by a user for inputting user data. Preferably, the user data comprises personal data such as age, gender  
25 etc.. Preferably, the user data further comprises preferences, such as sports, economics, fashion etc.. Based on said user data, said computer selects a subset of page identifiers from a database with a set of page identifiers, wherein each page identifier corresponds to one stack of  
30 preprinted pages in said container 2. The subset of page identifiers is shown on interface 3, so that the user can see which editorial articles are selected. Preferably, the user then has the choice of deleting one or more page

identifiers from the selection, for example, if some of the selected page identifiers are not interesting to the user, or if the user has already read the editorial article corresponding to the page identifier. If the user agrees  
5 with the subset of page identifiers, optionally after deleting one or more page identifiers, the subset needs to be approved by the user. Next, a personalized contents page will be printed with use of printer 4. Optionally, also a personalized cover can be printed with use of printer 4. The  
10 personalized cover is preferably glossy and more preferably shows the name of the user. Preferably, said printer 4 has two drawers, one for the glossy paper for the cover, and one for the paper for the personalized contents page. Instead of a personalized cover, also standard covers can be used.

15

Once the subset of page identifiers is approved by the user, the subset of preprinted pages corresponding to said page identifiers will be collected from the stacks of preprinted pages in containers 2. The collecting of the preprinted  
20 pages from the containers 2 can be done manually by a kiosk sales assistant, or automatically with use of a collecting device that is driven by the computer. Preferably, the collecting device is driven in such a way by the computer, that the preprinted pages are collected in corresponding  
25 order with the personalized contents page. When the preprinted pages are collected, the personalized contents page is collected and placed on top of the preprinted pages, and then the cover is collected and wrapped around the contents page and the preprinted pages. The collecting and  
30 placement/wrapping of the personalized contents page and the cover can be done manually by said kiosk sales assistant, or automatically with use of said collecting device. After wrapping of the cover around said contents page and

preprinted articles, the assembly is fed to a binder 5 that binds the preprinted pages, the personalized contents page and the cover, so that a personalized magazine is formed. This also can be done manually by said assistant or with use  
5 of said collecting device. The personalized magazine can then be taken by the user.

In figure 2 a schematic diagram of making a personalized magazine is shown. In a public location 10, for example an  
10 airport, railway or bus station, or mall, users 12A,B,C can make their own personalized magazine at kiosk 1. Kiosk 1 comprises three computers 13A,B,C with interfaces 4A,B,C. A user 12A,B,C can input 14 his personal data and/or choose preferences in the interfaces 4A,B,C, so that the computer  
15 selects 15 the appropriate page identifiers from the database. Preferably, together with the selected subset of page identifiers, extra information 16A,B,C, such as advertisements 17A,B,C can be added to the selected articles. Preferably, said extra information is selected by  
20 the computer based on said user data, so that the advertisements 17A,B,C are relevant for the user 12A,B,C. Next, a user 12A,B,C can optionally delete 18 one or more page identifiers from the selected subset, so that a preferred subset of page identifiers remains. The selection  
25 of the subset of page identifiers takes place in a closed broadband network 19, which is hosted by server 20.

When the selection of articles is approved by a user 12A,B,C, the personalized contents page, and optionally the  
30 personalized cover, is printed 21. User 12A,B,C will next pay 22 for his personalized magazines, which amount may depend on the number of selected articles. After payment, the articles are manually or automatically collected 23 as



described above. Then the contents page, articles and cover  
are bound 24 and the personalized magazine can be taken by  
user 12A,B,C. Instead of one kiosk 1, multiple kiosks  
1B,C,D,E can be used that are interconnected with kiosk 1  
5 through a central reporting unit 25.

The invention is not restricted to the embodiment shown, but  
also extends to other preferred variants falling within the  
scope of the appended claims.

**CLAIMS**

1. A kiosk for making a personalized magazine, comprising  
at least one container with a set of stacks of preprinted  
5 pages with editorial articles, the pages within each stack  
being identical and the pages of each distinct stack being  
different, said kiosk further comprising a user interface  
and a computer connected to said user interface, wherein  
said computer comprises a database with a set of page  
10 identifiers, each page identifier corresponding to one stack  
of preprinted pages in said container, wherein said user  
interface is arranged to receive user data, wherein said  
computer is arranged to select a subset of said page  
identifiers from said database based on said user data, and  
15 wherein said kiosk further comprises a binder for binding a  
subset of said preprinted pages from said container in  
accordance with said subset of page identifiers.

2. A kiosk according to claim 1, wherein said user data  
20 comprises personal data and/or user preferences.

3. A kiosk according to claim 1 or 2, wherein said  
computer is further arranged to create a contents page image  
file in correspondence with said selected subset of said  
25 page identifiers, wherein the kiosk further comprises a  
printer connected to said computer for printing said  
contents page image file, and wherein said binder is  
arranged to bind said printed contents page together with  
said subset of preprinted pages.

30

4. A kiosk according to claim 1, 2 or 3, wherein the  
computer is further arranged to create a cover image file in  
correspondence with said user data, wherein the kiosk

further comprises a printer connected to said computer for printing said cover image file, and wherein said binder is arranged to bind said printed cover together with said preprinted pages.

5

5. A kiosk according to claim 1, 2 or 3, wherein the kiosk further comprises a container with at least one stack of preprinted covers, and wherein said binder is arranged to bind a preprinted cover together with said preprinted pages.

10

6. A kiosk according to any of the preceding claims 1 - 5, wherein the kiosk further comprises a collecting device for collecting said subset of preprinted pages from said at least one container with preprinted pages and feeding the pages to said binder.

15

7. A method for making a personalized magazine, comprising the steps of inputting user data via a user interface into a computer connected to said user interface, wherein said computer comprises a database with a set of page identifiers, each page identifier corresponding to one stack of preprinted pages, said computer selecting a subset of said page identifiers from said database based on said user data, collecting and binding a subset of said preprinted pages from a container with a set of said stacks of preprinted pages in accordance with said subset of page identifiers.

20

25

8. A method according to claim 7, wherein said user data comprises personal data and/or user preferences.

30

9. A method according to claim 7 or 8, wherein the method further comprises the step of creating and printing a

contents page in correspondence with said subset of page identifiers, and wherein said printed contents page is bound together with said preprinted pages.

5 10. A method according to any of the preceding claims 7 - 9, wherein the method further comprises the step of creating and printing a personalized cover based on said user data, and wherein said printed cover is bound together with said preprinted pages.

10

11. A method according to any of the preceding claims 7 - 9, wherein the method further comprises a step of collecting a preprinted cover from a container with at least one stack of preprinted covers, and wherein said preprinted cover is  
15 bound together with said preprinted pages.

12. A method according to any of the preceding claims 7 - 11, wherein the method further comprises the step of providing the user with the choice of deleting one or more  
20 page identifiers from said subset after said selection step.

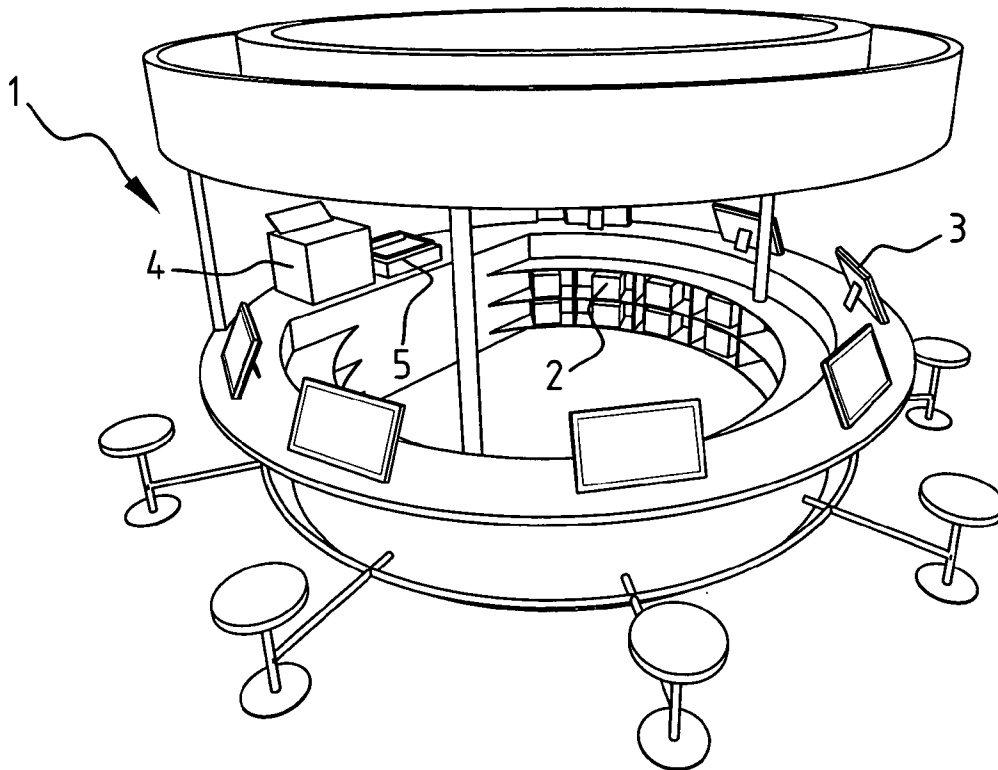
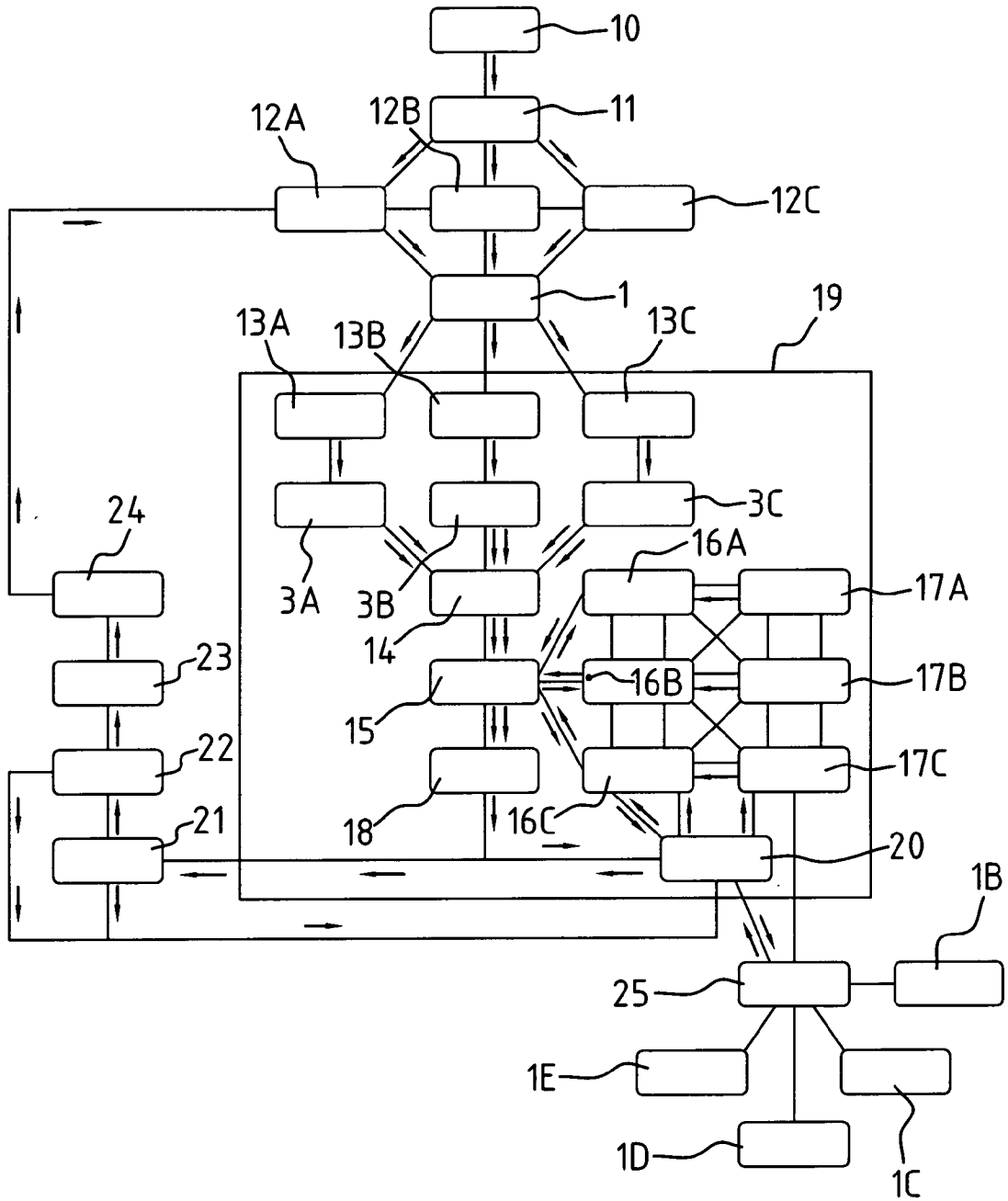


FIG. 1



**FIG. 2**

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/EP2009/060452

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. G07F17/16 G07F17/26  
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)  
G07F

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 practical, 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	NL 1 021 268 C2 (MONTI IND B V [NL]) 17 February 2004 (2004-02-17) abstract page 3, line 4 - line 20 page 4, line 1 - line 11 page 5, line 9 - page 6, line 25	1-12
X	WO 99/12134 A1 (TROSTERUD NILS CHR [NO]) 11 March 1999 (1999-03-11) abstract page 5, line 10 - page 6, line 13 page 7, line 31 - page 8, line 3	1-12
A	US 2007/011607 A1 (LAZARECK LESLIE H [US] ET AL) 11 January 2007 (2007-01-11) abstract figure 1	1-12

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
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- "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

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European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040,  
Fax: (+31-70) 340-3016

Authorized officer

Wolles, Bart

INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2009/060452

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/040374 A1 (KENT DONALD A [US]) 4 April 2002 (2002-04-04) abstract paragraphs [0008], [0036], [0084] -----	1-12
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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