

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/000325

## A. CLASSIFICATION OF SUBJECT MATTER

*B66B 29/00(2006.01)i, B66B 23/02(2006.01)i, B66B 23/12(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)

B66B 29/00; B66B 21/02; B65G 43/00; B66B 25/00; B66B 23/02; B66B 23/12

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: IPC as above

Japanese Utility models and applications for Utility models: IPC as above

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

eKOMPASS (KIPO internal) &amp; Keywords: escalator, reverse driving, prevention, safety, sawtooth, wheel, solenoid, hydraulic pressure

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 10-1503707 B1 (MIJUHITEC CO., LTD.) 19 March 2015 See paragraphs [0021]-[0028] and figures 2-6.	1-3
Y	US 2012-0073933 A1 (SENGER, Alois) 29 March 2012 See paragraphs [0019]-[0025] and figures 2-4.	1-3
A	US 2011-0108386 A1 (NURNBERG, Thomas et al.) 12 May 2011 See paragraphs [0022]-[0032] and figures 1-2.	1-3
A	KR 10-2016-0000775 A (LEE, Hyun Ho) 05 January 2016 See paragraphs [0019]-[0030] and figures 2-3.	1-3
A	US 2013-0220767 A1 (TERAMOTO, Katsuya) 29 August 2013 See paragraphs [0045]-[0089] and figures 1-6.	1-3

 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

"&amp;" document member of the same patent family


Date of the actual completion of the international search

20 MARCH 2017 (20.03.2017)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR


 Korean Intellectual Property Office  
 Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701,  
 Republic of Korea

Facsimile No. +82-42-481-8578

Authorized officer

Telephone No.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

**PCT/KR2017/000325**

Patent document cited in search report	Publication date	Patent family member	Publication date
KR 10-1503707 B1	19/03/2015	NONE	
US 2012-0073933 A1	29/03/2012	BR P10924624 A2 CN 102459056 A CN 102459056 B EP 2443057 A1 HK 1170714 A1 JP 2012-530024 A JP 5357332 B2 KR 10-1281595 B1 KR 10-2012-0024967 A RU 2011148283 A RU 2530202 C2 US 8534444 B2 WO 2010-147579 A1	01/03/2016 16/05/2012 12/03/2014 25/04/2012 28/11/2014 29/11/2012 04/12/2013 03/07/2013 14/03/2012 27/07/2013 10/10/2014 17/09/2013 23/12/2010
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KR 10-2016-0000775 A	05/01/2016	NONE	
US 2013-0220767 A1	29/08/2013	CN 103249664 A JP 5001473 B2 US 8739957 B2 WO 2011-138844 A1	14/08/2013 15/08/2012 03/06/2014 10/11/2011