

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/000817

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. A01B69/00 (2006.01) i, A01B63/111 (2006.01) i, G05D1/02 (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)

Int.Cl. A01B69/00, A01B63/00-63/12, G05D1/00-1/03

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

Published examined utility model applications of Japan	1922-1996
Published unexamined utility model applications of Japan	1971-2018
Registered utility model specifications of Japan	1996-2018
Published registered utility model applications of Japan	1994-2018

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2016-95660 A (YANMAR CO., LTD.) 26 May 2016, paragraphs [0023]-[0041], fig. 1-4 & WO 2016/076320 A1 & AU 2015347785 A & KR 10-2017-0081686 A	1 2, 3
Y	JP 2619702 B2 (HONDA MOTOR CO., LTD.) 11 June 1997, column 5, line 44 to column 7, line 40, fig. 1, 6, 7 (Family: none)	2
Y	JP 5368966 B2 (KUBOTA CORPORATION) 18 December 2013, paragraphs [0056]-[0068], fig. 6-8 (Family: none)	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	“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
“E” earlier application or patent but published on or after the international filing date	“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
“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)	“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
“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
“P” document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 02.04.2018	Date of mailing of the international search report 10.04.2018
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2015-112070 A (KUBOTA CORPORATION) 22 June 2015, paragraphs [0056]-[0072], fig. 1, 9 (Family: none)	1-3
A	JP 8-275613 A (ISEKI AND CO., LTD.) 22 October 1996, paragraphs [0017]-[0019], fig. 10, 11 (Family: none)	1-3
A	WO 2016/131684 A1 (CNH INDUSTRIAL ITALIA S.P.A.) 25 August 2016, page 4, line 6 to page 5, line 6, fig. 1 (Family: none)	1-3