

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 061300-2669	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2018/049198	International filing date (<i>day/month/year</i>) 31 August 2018 (31-08-2018)	(Earliest) Priority Date (<i>day/month/year</i>) 1 September 2017 (01-09-2017)
Applicant OSHKOSH CORPORATION		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6*bis*(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1
 as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention
- b. none of the figures is to be published with the abstract

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A telehandler (10) includes a frame assembly (12), tractive elements (30), a cabin (20), a boom assembly (100), and a locking mechanism (240) selectively reconfigurable between a locked configuration and an unlocked configuration. The boom assembly includes a base boom section (110) having a proximal end pivotably coupled to the frame assembly and a distal end opposite the proximal end, an intermediate boom section (114) pivotably coupled to the distal end of the base boom section, and an upper boom section (112) having a proximal end pivotably coupled to the intermediate boom section and a distal end configured to be coupled to an implement (116). The boom assembly (100) is configured to move freely when the locking mechanism (240) is in the unlocked configuration. In the locked configuration, the locking mechanism (240) is configured to couple the intermediate boom section (114) to the frame assembly (12) such that the locking mechanism (240) limits rotation of the base boom section (110) relative to the frame assembly (12).

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2018/049198

A. CLASSIFICATION OF SUBJECT MATTER
 INV. B66F9/065
 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)
 B66F E02F

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 775 288 A (DIMITRIU DAN G [US]) 4 October 1988 (1988-10-04) column 2, line 40 - column 4, line 38; figures column 8, lines 17-31 abstract figures	1,10,19
A	----- WO 2014/143557 A1 (OSHKOSH CORP [US]) 18 September 2014 (2014-09-18) abstract figures	1,10,19
A	----- US 2009/206589 A1 (OSSWALD CHRIS [US] ET AL) 20 August 2009 (2009-08-20) paragraph [0110] abstract figures -----	1,10,19

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 29 November 2018	Date of mailing of the international search report 12/12/2018
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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 Colletti, Roberta
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2018/049198

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4775288	A	04-10-1988	NONE
WO 2014143557	A1	18-09-2014	CN 105377743 A 02-03-2016
			EP 2969888 A1 20-01-2016
			US 2014271076 A1 18-09-2014
			WO 2014143557 A1 18-09-2014
US 2009206589	A1	20-08-2009	NONE