

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

# PCT

To:

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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/EP2018/053780

International filing date (day/month/year)  
15.02.2018

Priority date (day/month/year)  
27.09.2017

International Patent Classification (IPC) or both national classification and IPC  
INV. F16L33/30 F16L55/24

Applicant  
HUSQVARNA AB

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:



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Date of completion of this opinion

see form  
PCT/ISA/210

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established 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)).
2.  This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:
  - a.  forming part of the international application as filed:
    - in the form of an Annex C/ST.25 text file.
    - on paper or in the form of an image file.
  - b.  furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
  - c.  furnished subsequent to the international filing date for the purposes of international search only:
    - in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
    - on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).
4.  In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	<u>1-9</u>
Inventive step (IS)	Yes: Claims	
	No: Claims	<u>1-9</u>
Industrial applicability (IA)	Yes: Claims	<u>1-9</u>
	No: Claims	

2. Citations and explanations

see separate sheet

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**Box No. VII Certain defects in the international application**

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The following defects in the form or contents of the international application have been noted:

see separate sheet

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

Reference is made to the following documents:

- D1 EP 2 995 712 A1 (DONGBU DAEWOO ELECTRONICS CORP [KR]) 16 March 2016 (2016-03-16)
- D2 US 2011/114195 A1 (HAAS CLINT R [US] ET AL) 19 May 2011 (2011-05-19)
- D3 US 3 729 142 A (RANGEL GARZA J ET AL) 24 April 1973 (1973-04-24)

1 Independent claim 1

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

1.1 D1 discloses (see figures 1-3):

A hose connector (100) comprising:  
a connector port adapted to receive water at an inlet (310);  
an outlet (111) to allow water to leave the connector port;  
a filter (200) coupled to the connector port at the inlet (310);  
wherein  
the filter (200) is adapted to be inserted inside the inlet (310);  
the hose connector (100) includes at least one recess (310); and  
the filter (200) has a first end and a second end, wherein the filter (200) includes a flange portion (210) towards the first end, such that the flange portion (210) has at least one protrusion (320) adapted to engage the at least one recess (310).

1.2 D2 discloses (see figures 1-3):

A hose connector (1) comprising:  
a connector port (86) adapted to receive water at an inlet (40);  
an outlet (90) to allow water to leave the connector port;  
a filter (26) coupled to the connector port at the inlet (40);  
wherein

the filter (26) is adapted to be inserted inside the inlet (40);  
the hose connector (1) includes at least one recess (30); and  
the filter (26) has a first end and a second end, wherein the filter (26) includes a flange portion (158, 160) towards the first end (see figures 6, 8), such that the flange portion (158, 160) has at least one protrusion (148) adapted to engage the at least one recess (30).

1.3 D3 discloses (see figures 1-10):

A hose connector comprising:

a connector port (8) adapted to receive water at an inlet (lower part of hollow 23);

an outlet (upper part of hollow 23) to allow water to leave the connector port (8);

a filter (4) coupled to the connector port (8) at the inlet;  
wherein

the filter (4) is adapted to be inserted inside the inlet;

the hose connector includes at least one recess (6); and

the filter (4) has a first end and a second end, wherein the filter (4) includes a flange portion (2) towards the first end, such that the flange portion (2) has at least one protrusion (3) adapted to engage the at least one recess (6).

2 Dependent claims

Dependent claims 2 to 9 are known from the cited prior art, as it is clearly derivable from the relevant passages cited in the search report for the relevant document(s) to each claim. Consequently, said claims do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).

**Re Item VII**

**Certain defects in the international application**

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.