



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
20.08.2008 Bulletin 2008/34

(51) Int Cl.:
E02F 9/28 (2006.01)

(43) Date of publication A2:
07.11.2007 Bulletin 2007/45

(21) Application number: **07009529.4**

(22) Date of filing: **22.09.2003**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

(71) Applicant: **ESCO CORPORATION**
Portland, OR 97210-2578 (US)

(30) Priority: **19.09.2002 US 411762 P**

(72) Inventor: **Emrich, Robert K.**
Tigard, OR 97223 (US)

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
03759392.8 / 1 579 083

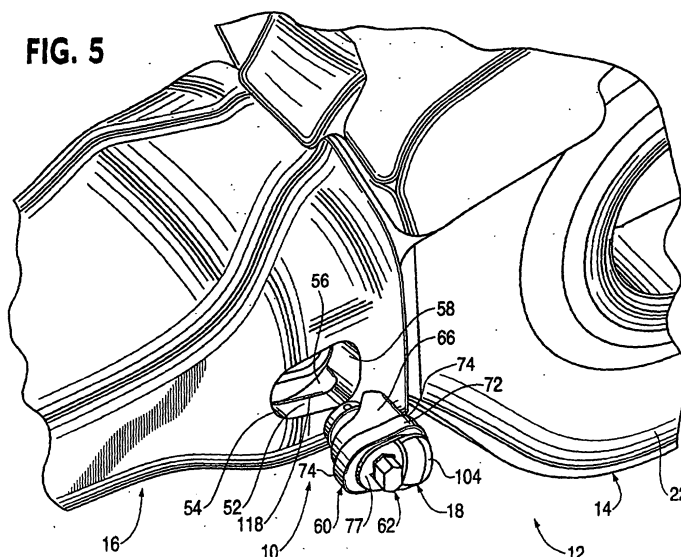
(74) Representative: **Madgwick, Paul Roland et al**
RUSCHKE HARTMANN MADGWICK & SEIDE
Patent- und Rechtsanwälte
Postfach 86 06 29
81633 München (DE)

(54) **Wear assembly and lock for an excavating bucket**

(57) A wear assembly (12) for an excavating bucket comprises a base (14) fixed to the excavating bucket, a wear part (16) received over the base (14) and having a hole (52) extending therethrough to open in the socket (42) the hole (52) having a peripheral edge (54), and a lock (18) for releasably holding the wear part (16) to the nose (20), the lock (18) including a locking member (62) having a stem (90) and a projection (77), the locking member (62) being rotatable about a longitudinal axis of

the stem (90) between a release position and a locking position, the projection (77) being within the peripheral edge (54) of the hole (52) in the release position and outside of the peripheral edge (54) of the hole (52) in the locking position such that the projection (77) is set between the nose (18) and the wear part (16), characterized by the lock including a non-rotating resilient member (64) engaging the locking member (62) to resist turning of the locking member (62) between the release and locking positions.

FIG. 5





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 07 00 9529

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 6 108 950 A (RUVANG JOHN A [US] ET AL) 29 August 2000 (2000-08-29) * figures 6-10 * * column 7, line 6 - line 32 * -----	1,12	INV. E02F9/28
A	US 5 937 551 A (MOEHNKE MICHAEL D [US] ET AL) 17 August 1999 (1999-08-17) * figures *	1,12	
A	US 6 374 521 B1 (PIPPINS SHERLOCK [US]) 23 April 2002 (2002-04-23) * figures 1-4,8-10a *	1,12	
A	US 2002/000053 A1 (ADAMIC DWIGHT L [CA] ET AL) 3 January 2002 (2002-01-03) * figures * -----	1,12	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E02F E21C
Place of search		Date of completion of the search	Examiner
The Hague		2 July 2008	Guthmuller, Jacques
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

3

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 00 9529

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-07-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6108950 A	29-08-2000	AU 746041 B2	11-04-2002
		AU 4738399 A	14-09-2000
		CA 2281326 A1	08-09-2000
US 5937551 A	17-08-1999	US 5966849 A	19-10-1999
US 6374521 B1	23-04-2002	US 6119378 A	19-09-2000
US 2002000053 A1	03-01-2002	AU 766917 B2	23-10-2003
		AU 5409401 A	03-01-2002
		CA 2312550 A1	27-12-2001
		US 2006127239 A1	15-06-2006