



(11) **EP 2 377 998 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
29.06.2016 Bulletin 2016/26

(51) Int Cl.:
E01C 19/48^(2006.01)

(43) Date of publication A2:
19.10.2011 Bulletin 2011/42

(21) Application number: **11003040.0**

(22) Date of filing: **12.04.2011**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

- **Kunz, Alois**
48011 Alfonsine (RA) (IT)
- **Rheinbay, Frank**
48011 Alfonsine (RA) (IT)
- **Haubrich, Thomas**
48011 Alfonsine (RA) (IT)

(30) Priority: **13.04.2010 IT UD20100074**

(74) Representative: **D'Agostini, Giovanni**
D'Agostini Organizzazione S.r.l.
Via G. Giusti 17
33100 Udine (IT)

(71) Applicant: **MARINI S.p.A.**
48011 Alfonsine (Ravenna) (IT)

(72) Inventors:

- **Mueller, Reiner**
48011 Alfonsine (RA) (IT)

(54) **Coupling system for extension sectors on screed unit for paver**

(57) Screed unit for paver finisher, of the type comprising a main screed, end plates and extension sectors which can be reciprocally aligned by means of adjusters and which can be reciprocally coupled. The main screed, end plates and extension sectors can be coupled and aligned by means of a coupling means operating according to a coupling system using fixing and clamping means with screws/bolts in fixing holes, in which alignment and disalignment means are provided of one unit to be coupled with respect to the other unit to be coupled with a

movement with respect to the alignment axis, the alignment and disalignment means being linked/linkable to an undercut coupling means in which the coupling means consists of a male element and a female element, one of male element and female element being fixed in correspondence with at least one of the side-walls of the screed unit, the other one of male element and female element being fixed in correspondence with at least one of the side-walls of extension sector.

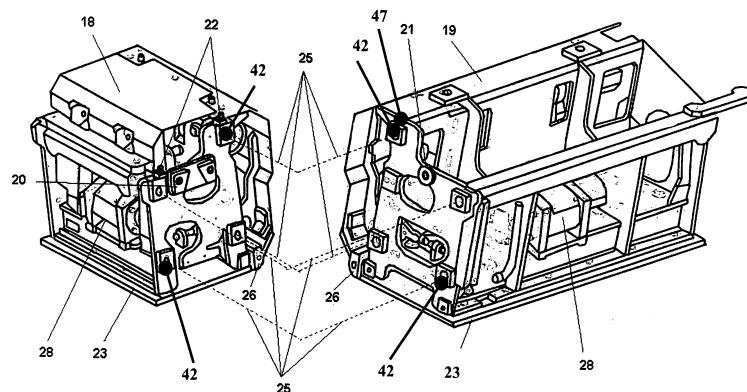


Fig. 13

EP 2 377 998 A3



EUROPEAN SEARCH REPORT

Application Number
EP 11 00 3040

5

10

15

20

25

30

35

40

45

50

55

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 6 190 087 B1 (ROEWER HELMUT [DE]) 20 February 2001 (2001-02-20) * column 2, line 60 - column 4, line 58; figures *	1-16	INV. E01C19/48
A	US 3 712 189 A (BIRCHET R ET AL) 23 January 1973 (1973-01-23) * the whole document *	1-16	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01C F16B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 19 May 2016	Examiner Klein, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

EPO FORM 1503 03/02 (P04/C01)

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

EP 11 00 3040

5 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.

19-05-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6190087 B1	20-02-2001	CN 1243182 A	02-02-2000
		DE 19833394 C1	30-09-1999
		EP 0974699 A1	26-01-2000
		JP 3155744 B2	16-04-2001
		JP 2000045219 A	15-02-2000
		US 6190087 B1	20-02-2001

US 3712189 A	23-01-1973	CA 948463 A	04-06-1974
		FR 2148544 A1	23-03-1973
		GB 1398279 A	18-06-1975
		JP S4825341 A	02-04-1973
		US 3712189 A	23-01-1973
