



(11) **EP 1 983 108 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
20.10.2010 Bulletin 2010/42

(51) Int Cl.:
E01F 13/06^(2006.01) E01F 13/04^(2006.01)

(43) Date of publication A2:
22.10.2008 Bulletin 2008/43

(21) Application number: **08101614.9**

(22) Date of filing: **14.02.2008**

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

(30) Priority: **13.03.2007 IT TO20070187**

(71) Applicant: **Olva S.R.L.**
15100 Alessandria (IT)

(72) Inventor: **Annaratone, Massimo**
15100 Alessandria (IT)

(74) Representative: **Robba, Pierpaolo**
Interpatent S.R.L.
Via Caboto 35
10129 Torino (IT)

(54) **Bar for liftable transit barriers, transit barrier comprising said bar, kit for supplying and method for installing said bar**

(57) The bar (5) for liftable passage barriers according to the invention comprises a first (7) and a second bar section (9); the first bar section (7) has substantially hollow cross-sections, and the first (7) and the second bar section (9) are arranged so as to allow the second bar section (9) to be axially inserted into the first bar section (7) so as to form a telescopic assembly. An inner sliding block (11) and a bearing (17) reduce the clearances between the two bar sections (7) and (9), and the

axial position between the two bar sections can be blocked through the screws (23A, 23B), making the bar (5) strong and integral. A single pair of sections (7) and (9) allow to provide bars (5) having an infinite gamut of lengths; the stocks and the number of items needed can consequently be reduced and smaller vehicles are sufficient for transporting the bars to the installation place.

EP 1 983 108 A3



EUROPEAN SEARCH REPORT

Application Number
EP 08 10 1614

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 4 825 192 A (WELLS KENNETH A) 25 April 1989 (1989-04-25) * figures 1-4 * * column 3, lines 45-55 * * column 2, lines 38-43 *	1-13, 15	INV. E01F13/06 E01F13/04
X	US 2002/129552 A1 (BURKE THOMAS J [US]) 19 September 2002 (2002-09-19) * figures 1-3 * * paragraphs [0025], [0026] *	1, 6-8, 10, 13-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 September 2010	Examiner Tran, Kim-Lien
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			

1
EPO FORM 1503 03/02 (P04C01)

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

EP 08 10 1614

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.

13-09-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4825192	A	25-04-1989	NONE

US 2002129552	A1	19-09-2002	CA 2441298 A1 26-09-2002
			EP 1379749 A1 14-01-2004
			WO 02075091 A1 26-09-2002
			US 2004088923 A1 13-05-2004
