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(54) **Stretcher bar**

(57) The invention relates to a stretcher bar for use on a railway point mechanism. The stretcher bar comprises two sub bars (44) threadably connected to opposite sides of an adjustment barrel (30) wherein the sub bars (44) are oppositely threaded such that rotation of

the adjustment barrel (30) adjusts the overall length of the stretcher bar. The barrel (30) is composed of two parts which are electrically insulated from each other by a layer of insulating material (42). A method of installing and adjusting the stretcher bar between two switch rails is also disclosed.

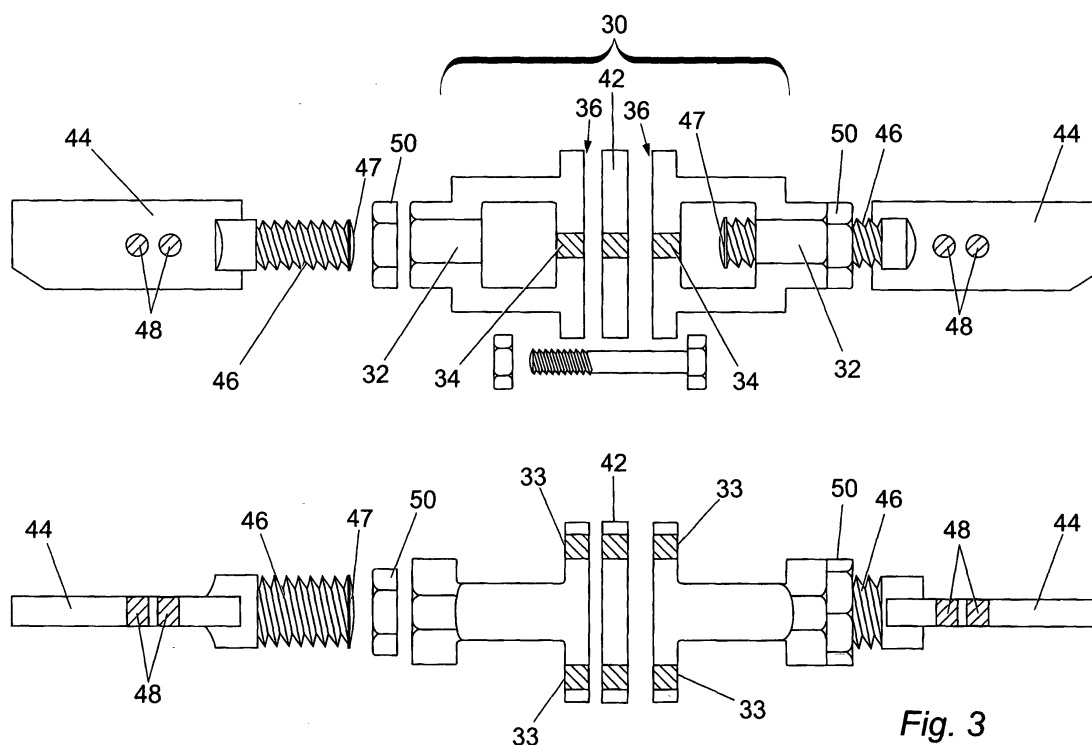


Fig. 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 25 2676

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2003/042370 A1 (O'BRIEN CORY ET AL) 6 March 2003 (2003-03-06) * paragraph [0010] - paragraph [0054]; figures 3,7-9 * -----	1-6,8,9, 11,12, 14-18	E01B5/16 E01B7/02
X	US 1 806 254 A (ANTONIO GRAZIANI FRANK) 19 May 1931 (1931-05-19) * the whole document * -----	1-3,6,7, 10,11, 14-18	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E01B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 21 December 2004	Examiner Geiger, H
<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>			

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

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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21-12-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003042370 A1	06-03-2003	BR 0202790 A	20-05-2003
		GB 2379311 A	05-03-2003
		NZ 519355 A	28-05-2004
		NZ 529506 A	19-12-2003
		US 2003080258 A1	01-05-2003

US 1806254 A	19-05-1931	NONE	
