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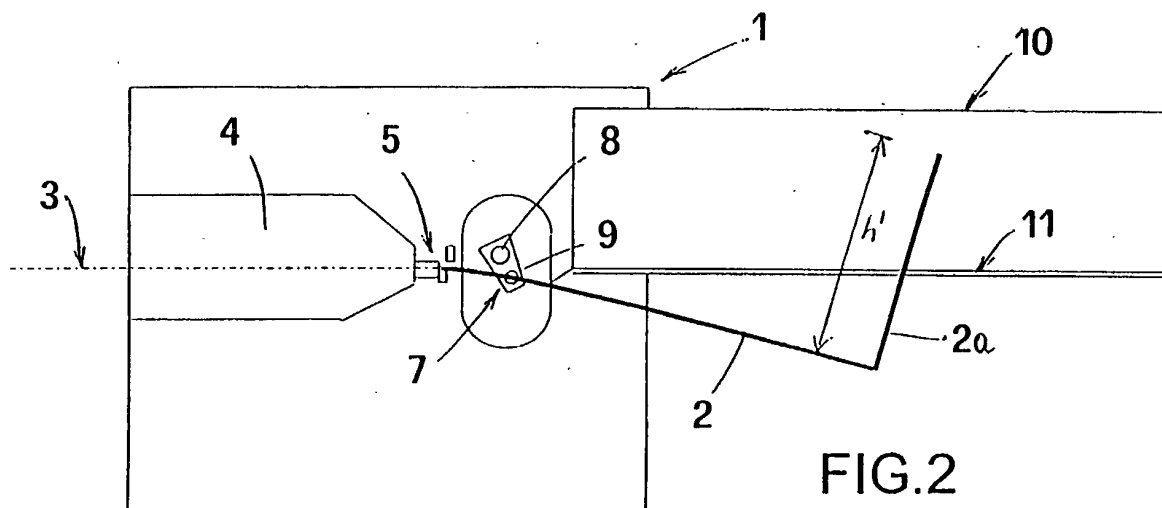
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(54) **Method for automatically bending sections and the like and apparatus for performing the method**

(57) A method applied to ordinary stirrup bending machines in which there is a tray (10) with an openable bottom (11) for forming bars and shaped parts of considerable length. The method includes opening of the

openable bottom (11) of the tray (10), during the advancement of the sections (2), so as to allow the passage of bent portions (2a) of the sections (2) whose length (h') exceeds the height (H) of the guiding tray (10).



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EUROPEAN SEARCH REPORT

Application Number
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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)
A,D	EP 0 865 842 A (SCHNELL SPA) 23 September 1998 (1998-09-23) * the whole document *	1,2	B21D11/12
A	EP 0 943 379 A (SCHNELL SPA) 22 September 1999 (1999-09-22) * the whole document *	1,2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B21D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 June 2003	Ris, M
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			

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

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0865842 A	23-09-1998	IT M0970045 A1	21-09-1998
		EP 0865842 A2	23-09-1998
		US 6295857 B1	02-10-2001
EP 0943379 A	22-09-1999	IT B0980178 A1	20-09-1999
		EP 0943379 A2	22-09-1999