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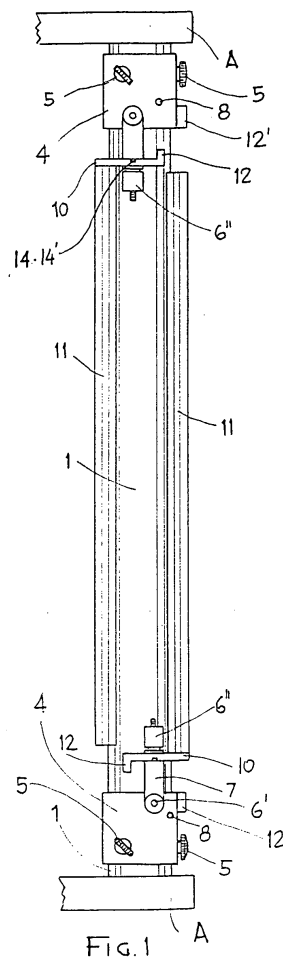
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(54) **Handling of panels or plates**

(57) A bearing, supporting and guide assembly for flat panels or rigid or semirigid plates to be treated with machine tools for print fixing, assembling and transfer, such as calenders, rolling units, or "A" plasticators, comprises at least two arms (11) engaging, at one end, on articulated joints (6', 6'') featuring a dual orthogonal movement mounted on shoes (4) sliding on slides (1, 1') that are located, or incorporated, at least on the inlet portion of the mentioned machine tools. The shoes (4) can be blocked on independent positions along the arms (11); the articulated joints (6', 6'') allow the arms (11) to perform a first orthogonal horizontal opening and/or closing rotation and lock in place, relative to the mentioned machines, and a second orthogonal arm lifting and locking rotation (11) for alignment at the same height as the working planes (13) of the mentioned machines.



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## EUROPEAN SEARCH REPORT

Application Number  
EP 06 01 3623

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 3 545 377 A (HARWELL ROY M JR ET AL) 8 December 1970 (1970-12-08) * column 2, line 10 - column 2, line 70 * * column 6, line 19 - line 29; figures 5-7,11 *	1-9	INV. B41F19/00 B41F17/24
A	US 4 282 806 A (LALA LOUIS A) 11 August 1981 (1981-08-11) * column 3, line 39 - column 4, line 22; figures 2,3 *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			B41F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 May 2009	Examiner Kelliher, Cormac
<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 &amp; : 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.  
The members are as contained in the European Patent Office EDP file on  
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08-05-2009

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3545377	A	08-12-1970	GB 1176111 A	01-01-1970
US 4282806	A	11-08-1981	NONE	