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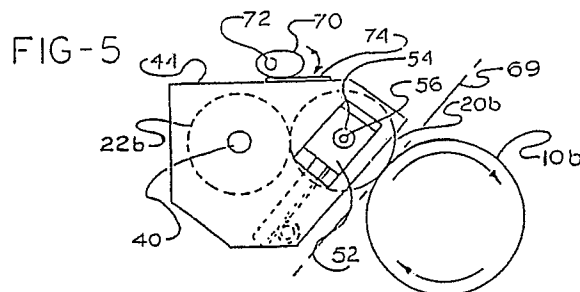
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54 **Dampening apparatus for lithographic press.**

57 A dampener for a lithographic press comprises a form roller (20b), a metering roller (22b), a reservoir of dampening solution lying above and between the form and metering rollers (20b,22b), and means for supplying solution to the reservoir. The amount of solution applied to the form roller (20b) can be controlled by adjusting the pressure between the form and metering rollers (20b,22b) without appreciably affecting the pressure between the form roller (20b) and the plate cylinder (10b). Excess moisture retained on the form roller (20b) and excess solution which collects between the plate cylinder (10b) and the form roller (20b) is continuously returned directly to the reservoir. The metering roller (22b) and the plate cylinder (10b) are driven by the press gear drive system, and the form roller (20b) is driven from frictional contact with the plate cylinder (10b) and the metering roller (22b), to aid in retrofitting the dampener to existing presses.





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.4)
X,P	EP-A-296393 (HEIDELBERGER DRUCKMASCHINEN A.G.) * the whole document *	1, 3	B41F7/26
Y	---	2, 4-6	
Y,D	US-A-4455938 (LOUDON) * the whole document *	2, 4-6	
A	FR-A-2128370 (NORTH AMERICAN ROCKWELL CORP.) * pages 1 - 2; figures 1-3 *	1, 4	
A	US-A-3902416 (LAKE) * columns 1 - 4; figures 1-5 *	1, 4	
A	US-A-3986452 (DAHLGREEN) * columns 1 - 4; figures 1-3 *	1, 4	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B41F
Place of search THE HAGUE		Date of completion of the search 23 OCTOBER 1990	Examiner DIAZ-MAROTO V.
<b>CATEGORY OF CITED DOCUMENTS</b> 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 I : document cited for other reasons & : member of the same patent family, corresponding document			