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54 **Workpiece positioning.**

57 A workpiece positioning assembly for a punch press of C-shape has a first traverse comprising two rails (7) one secured to each side of the lower limb (3) of the frame, and a second traverse mounted upon the first traverse for horizontal movement in a direction perpendicular to the axis of the second traverse. The second traverse includes only a single rail (14) along which a workpiece support (15) is movable.

The punch press may be a turret punch press and include a lower turret (24) the circumference of which has a scalloped configuration so as to receive a die assembly against an arcuate datum surface.

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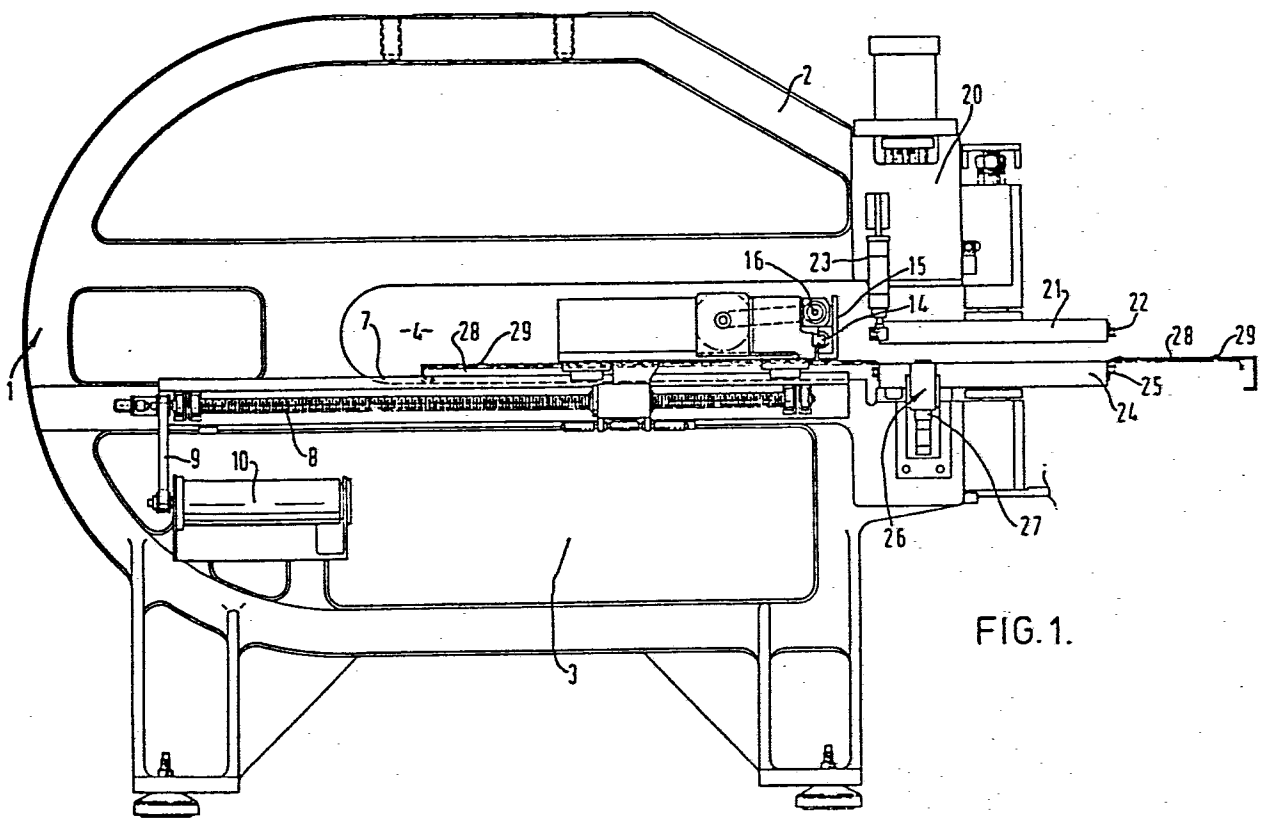


FIG.1.



European Patent
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EUROPEAN SEARCH REPORT

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Application number

EP 80 30 4681

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>US - A - 3 293 971 (KUSS)</u> * Column 3, lines 30-49; figures 1 and 6 * --	1-4	B 21 D 28/12 28/16
X	<u>US - A - 3 839 936 (AMADA)</u> * Column 3, lines 25-35; figure 2 * --	1-3	
X	<u>DE - A - 2 530 056 (TRUMPF)</u> * The whole document * & US - A - 4 023 788 --	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
X	<u>DE - A - 1 452 797 (NOLD)</u> * The whole document * --	1-3	B 21 D
	<u>US - A - 4 096 774 (HOUDAILLE IND)</u> * The whole document * --	5,6	
DA	<u>GB - A - 1 563 921 (MERCER)</u>	1	CATEGORY OF CITED DOCUMENTS
DA	<u>GB - A - 1 378 487 (AMADA)</u>	1	X: particularly relevant
DA	<u>US - A - 3 058 380 (LEIBINGER)</u>	1	A: technological background
DA	<u>GB - A - 1 420 594 (PIERCE-ALL)</u>	1	O: non-written disclosure
DA	<u>US - A - 3 897 982 (NIROSHI TERAMACHI)</u>	1	P: intermediate document
A	<u>US - A - 2 701 017 (WIEDEMANN)</u>	1	T: theory or principle underlying the invention
A	<u>GB - A - 1 144 860 (WARNER & SWASEY)</u> -----	1	E: conflicting application
			D: document cited in the application
			L: citation for other reasons
☒ The present search report has been drawn up for all claims			& member of the same patent family. corresponding document
Place of search The Hague		Date of completion of the search 13-07-1981	Examiner PEETERS L