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**Plate drawing apparatus.**

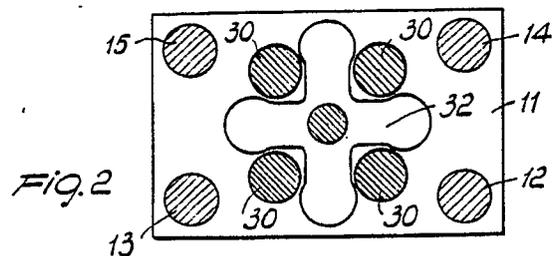
The present invention relates to a plate drawing apparatus comprising:

a) a supporting structure formed by a punch-holder part and by an opposite part, connected by at least two, preferably four, tension elements;

b) a punch supported by said punch-holder part and adapted to engage and disengage a corresponding die, the coupling between said punch and said die determining the shape of the drawing of said plate;

c) an abutment body supporting said die and slideable along said tension elements for a stroke at least corresponding to the depth of the drawing to be obtained on said plate.

The abutment body is formed by a first element supporting said die and by a second element; said first and said second element being mutually coupled by means of a plurality of short-stroke pistons supported by one of said elements; said second element being lockable in working position by virtue of mechanical locking means; the working pressure required for drawing being obtained by means of the action of said plurality of short-stroke pistons; the sliding of said abutment body required for the extraction of the drawn part being obtained by means of the release of said mechanical locking means.





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)
Y	CH-A- 383 777 (TRIULZI) * Whole document *	1,2,5-9	B 21 D 22/22
Y	US-A-2 718 663 (ROGER) * Column 2, lines 19-72; columns 3,4; fig. *	1,2,5-9	
A	DE-A-3 404 307 (OPEL)		
A	FR-A-2 141 615 (MORAULT)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 21 D B 29 C B 30 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-04-1990	Examiner PEETERS L.
<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 L : document cited for other reasons ..... & : member of the same patent family, corresponding document	