

Title (en)  
PLATE DRAWING APPARATUS

Publication  
**EP 0297475 A3 19900627 (EN)**

Application  
**EP 88110182 A 19880625**

Priority  
IT 2111287 A 19870630

Abstract (en)  
[origin: EP0297475A2] 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.

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CPC (source: EP)  
**B21D 22/22** (2013.01); **B21D 24/08** (2013.01)

Citation (search report)  
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**EP 0297475 A2 19890104; EP 0297475 A3 19900627; EP 0297475 B1 19921125**; DE 3876152 D1 19930107; DE 3876152 T2 19930415; ES 2035888 T3 19930501; IT 1217320 B 19900322; IT 8721112 A0 19870630

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