

Title (en)

Press tool for plates with high deformability grade.

Title (de)

Blechpresswerkzeug mit hohem Verformungsgrad.

Title (fr)

Outilsage d'emboutissage de tôles à taux de portée élevé.

Publication

EP 0344386 A1 19891206 (FR)

Application

EP 88401354 A 19880603

Priority

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Abstract (en)

Press tool for plates, in particular for metallic blanks of large dimensions, of the type comprising a punch (2), a die (1, 6) and upper (4) and lower (3) blank holders, the die (6) of which is obtained by moulding from a compact elastomeric material to form a so-called "semi-rigid" die. Application: in particular to the pressing of automotive body parts. <IMAGE>

IPC 1-7

B21D 37/20

IPC 8 full level

B21D 37/20 (2006.01)

CPC (source: EP)

B21D 22/10 (2013.01); **B21D 22/22** (2013.01); **B21D 37/20** (2013.01)

Citation (search report)

- [X] EP 0170374 A2 19860205 - GEN MOTORS CORP [US]
- [X] DE 1577142 B1 19710225 - WMF WUERTTEMBERG METALLWAREN
- [Y] DE 3151382 A1 19821021 - TOVARNE STROJARSKEJ TECH [CS]
- [A] US 2842801 A 19580715 - WALKEY GEORGE J, et al
- [A] US 4509358 A 19850409 - KROWL WILLIAM G [US]

Cited by

CN105234275A; US6354131B1; WO9624449A1

Designated contracting state (EPC)

DE ES FR GB IT SE

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