

Title (en)
Apparatus for pressing a metal plate into a desired shape

Title (de)
Vorrichtung zum Pressen einer Metallplatte in einer bevorzugten Form

Title (fr)
Dispositif pour le pressage d'une plaque dans une forme désiré

Publication
EP 1074319 A3 20030521 (EN)

Application
EP 00116173 A 20000801

Priority
JP 22097599 A 19990804

Abstract (en)
[origin: EP1074319A2] An apparatus for pressing a metal plate into a desired shape. It includes a lower die (1) having a cavity (2) formed on its upper surface; a rotary die (4) supported in the cavity rotatably around a rotational axis extending in a longitudinal direction of the rotary die. The rotary die (4) has a press-shaping section (4a) formed extending in the longitudinal direction; and an upper die (7) having a counter press-shaping section (6) formed to engage with the press-shaping section (4a) of the rotary die with the metal plate sandwiched therebetween at a time of pressing and shaping the metal plate. The lower die (1) and the rotary die (4) are so shaped that their cross sections may take an L-shape, and the horizontal and vertical extensions of the lower die have receiving surfaces (8a,8b) provided thereon to confront the counter abutment surfaces (11a,11b) of the rotary die. The rotary die (4) can move between a working position for pressing and shaping the metal plate and a rest position in which the finished metal plate may be removed readily from the lower die (1). <IMAGE>

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CPC (source: EP KR)
B21D 5/01 (2013.01 - KR); **B21D 19/086** (2013.01 - EP); **B21D 22/02** (2013.01 - EP)

Citation (search report)

- [A] EP 0427886 A1 19910522 - UEMURA METAL IND CO LTD [JP]
- [A] EP 0699489 A1 19960306 - UMIK CO LTD [JP]
- [DA] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04 30 April 1997 (1997-04-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02 28 February 1997 (1997-02-28)

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EP1698409A1; EP2705913A1; FR2995232A1

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