

Title (en)
Sheet metal working machine

Title (de)
Blechbearbeitungsmaschine

Title (fr)
Machine à travailler la tôle

Publication
EP 1634663 A1 20060315 (EN)

Application
EP 05108279 A 20050909

Priority
IT BO20040561 A 20040910

Abstract (en)
The machine has two turrets (2, 6) supporting punch assemblies (3) and die assemblies (7); a hammer (11); and two devices (17, 18) for rotating the punch and die assemblies (3, 7) about a vertical axis. The devices each have a body (125, 135) supporting a gear (126, 137); a motor (128, 138) for rotating the gear about a vertical axis (T2); and an actuator (140, 141) for moving the body (125, 135) between an engaged position, wherein the punch and die assemblies mesh with the gear, and a release position.

IPC 8 full level
B21D 28/12 (2006.01); **B21D 28/36** (2006.01)

CPC (source: EP)
B21D 28/12 (2013.01)

Citation (search report)

- [X] DE 3720777 A1 19890105 - BEHRENS AG C [DE]
- [A] DE 3441530 A1 19860522 - BEHRENS AG C [DE]
- [A] EP 0396876 A1 19901114 - BEHRENS AG C [DE]
- [A] EP 0674956 A2 19951004 - BEHRENS AG C [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02 5 February 2003 (2003-02-05)

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Designated contracting state (EPC)
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