

Title (en)
DEVICE FOR PRODUCING COMPACTS

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON PRESSKÖRPERN

Title (fr)
DISPOSITIF DE PRODUCTION DE COMPRIMES EN METALLURGIE

Publication
EP 0773846 A1 19970521 (DE)

Application
EP 95925708 A 19950713

Priority
• DE 9500954 W 19950713
• DE 4428842 A 19940802

Abstract (en)
[origin: US5906837A] PCT No. PCT/DE95/00954 Sec. 371 Date Jan. 29, 1997 Sec. 102(e) Date Jan. 29, 1997 PCT Filed Jul. 13, 1995 PCT Pub. No. WO96/04087 PCT Pub. Date Feb. 15, 1996A device for producing pressed articles with a main cylindrically-shaped elements and secondary helically-shaped element from powdered material, especially powdered metal, with a female mold and with at least one top punch, which is supported so as to be rotatable about its longitudinal axis, and at least one bottom punch, which is supported so as to be rotatable about its longitudinal axis. The top and bottom punches are movable axially relative to the female mold by means of motor drives and the top punch, of which there is at least one, is driven in rotation about its longitudinal axis to achieve a helical movement in addition to its axial drive the bottom punch, of which there is at least one, is also driven in rotation. Rotary motor drives of the punches are mechanically uncoupled from the drives for the axial movement of the punches and may be regulated separately by an electronic control.

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B22F 5/08

IPC 8 full level
B30B 11/02 (2006.01); **B22F 3/035** (2006.01); **B22F 5/08** (2006.01); **B30B 11/00** (2006.01); **B30B 11/04** (2006.01)

CPC (source: EP US)
B22F 5/08 (2013.01 - EP US); **B22F 5/085** (2013.01 - EP US); **B30B 11/005** (2013.01 - EP US); **B30B 11/04** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US)

Citation (search report)
See references of WO 9604087A1

Cited by
CN105992690A; CN105077545A

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI

DOCDB simple family (publication)
US 5906837 A 19990525; AT E170115 T1 19980915; CN 1074699 C 20011114; CN 1154082 A 19970709; DE 29509762 U1 19950921; DE 4428842 C1 19960118; DE 59503369 D1 19981001; EP 0773846 A1 19970521; EP 0773846 B1 19980826; ES 2120218 T3 19981016; JP 2002500701 A 20020108; JP 4331793 B2 20090916; RU 2113940 C1 19980627; WO 9604087 A1 19960215

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US 77637197 A 19970129; AT 95925708 T 19950713; CN 95194316 A 19950713; DE 29509762 U 19950607; DE 4428842 A 19940802; DE 59503369 T 19950713; DE 9500954 W 19950713; EP 95925708 A 19950713; ES 95925708 T 19950713; JP 50608296 A 19950713; RU 97103329 A 19950713