

Title (en)  
DEVICE FOR MAKING COMPRESSED BODIES

Publication  
**EP 0087584 B1 19870107 (DE)**

Application  
**EP 83100736 A 19830127**

Priority  
DE 3207191 A 19820227

Abstract (en)  
[origin: US4545755A] An apparatus for pressing a fluent powder into a rigid body comprises a die formed with an upwardly open and laterally closed pressing cavity adapted to hold a mass of the fluent particles to be pressed and a punch having a lower portion substantially complementary to and fittable in the pressing cavity and having a lower face engageable with the mass in the cavity. This punch is formed with a throughgoing vent passage having a lower end opening at the lower face and an upper end opening thereabove to the surroundings. An actuator can displace the punch relative to the die between an upper position clear thereof and a lower position engaged in the cavity and compressing the mass therein and through an intermediate position between the upper and lower positions. A valve body in the passage permits free gas flow therethrough when the punch is in and between the intermediate and upper positions and blocks flow therethrough between the intermediate and lower positions.

IPC 1-7  
**C06B 21/00**; B30B 15/06

IPC 8 full level  
**B30B 15/00** (2006.01); **B30B 15/06** (2006.01); **C06B 21/00** (2006.01)

CPC (source: EP US)  
**B30B 15/0017** (2013.01 - EP US); **B30B 15/065** (2013.01 - EP US); **C06B 21/0041** (2013.01 - EP US); **Y10S 425/812** (2013.01 - EP US)

Citation (examination)  
US 1826945 A 19311013 - MCKAY HORART J, et al

Designated contracting state (EPC)  
BE DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0087584 A2 19830907**; **EP 0087584 A3 19850424**; **EP 0087584 B1 19870107**; DE 3207191 A1 19830908; DE 3368918 D1 19870212; NO 155651 B 19870126; NO 155651 C 19870506; NO 830605 L 19830829; US 4545755 A 19851008

DOCDB simple family (application)  
**EP 83100736 A 19830127**; DE 3207191 A 19820227; DE 3368918 T 19830127; NO 830605 A 19830222; US 47059883 A 19830228