

Title (en)
POWDER COMPACTING METHOD AND POWDER COMPACTING SYSTEM

Title (de)
PULVERVERDICHUNGSVERFAHREN UND PULVERVERDICHUNGSSYSTEM

Title (fr)
PROCEDE ET SYSTEME DE COMPACTAGE DE POUDRE

Publication
EP 1541327 A1 20050615 (EN)

Application
EP 02755655 A 20020725

Priority
• JP 0207537 W 20020725
• JP 2002205621 A 20020715

Abstract (en)
This invention has been realized in order to obtain green compacts of a fixed height by pressure molding of material powder with a fixed gap between upper and lower punches. A powder compacting method of this invention performs a punch driving step wherein, after filling material powder in a cavity, the material powder filled in the cavity is pressure molded by using an upper punch and a lower punch, said punch driving step comprising a primary driving step of driving either one of the punches until the thickness of the cavity formed between the upper and lower punches becomes slightly greater than a target molding thickness, and a secondary driving step of measuring a gap between the upper and lower punches and driving either one of the punches while controlling it until the measured value reaches the target molding thickness. <IMAGE>

IPC 1-7
B30B 11/02; **B30B 11/00**

IPC 8 full level
B30B 11/00 (2006.01); **B30B 11/02** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP KR US)
B30B 11/00 (2013.01 - KR); **B30B 11/005** (2013.01 - EP US); **B30B 11/02** (2013.01 - EP KR US); **B30B 15/302** (2013.01 - EP US)

Cited by
IT201800006882A1; WO2008079074A1

Designated contracting state (EPC)
CH DE GB LI

DOCDB simple family (publication)
EP 1541327 A1 20050615; **EP 1541327 A4 20051005**; AU 2002323943 A1 20040202; AU 2002323943 A8 20040202;
BR 0212507 A 20040824; CN 100522586 C 20090805; CN 1649722 A 20050803; JP 2004042126 A 20040212; KR 20050042773 A 20050510;
US 2006127268 A1 20060615; WO 2004007184 A1 20040122

DOCDB simple family (application)
EP 02755655 A 20020725; AU 2002323943 A 20020725; BR 0212507 A 20020725; CN 02829309 A 20020725; JP 0207537 W 20020725;
JP 2002205621 A 20020715; KR 20057000340 A 20050107; US 52164805 A 20051216