

Title (en)  
MOULDING INSERT FOR MOULDING MACHINES

Title (de)  
FORMEINSATZ FÜR FORMMASCHINEN

Title (fr)  
PARTIE RAPPORTEE POUR MACHINES A MOULER

Publication  
**EP 1536933 B1 20070822 (DE)**

Application  
**EP 03793777 A 20030830**

Priority  
• DE 10241238 A 20020906  
• EP 0309652 W 20030830

Abstract (en)  
[origin: WO2004022294A2] The invention relates to the production of multi-layered concrete moulded bodies in a moulding machine comprising a moulding insert having a plurality of mould cavities. Relief structures are arranged in the lateral walls of said mould cavities and are dimensioned in such a way that projections formed on the moulded body when the filled concrete material is compacted engage in the relief structures, thereby creating sufficient retaining force for compensating the net weight of the moulded body and enabling the moulded bodied to be extracted from the mould cavities as a result of additional demoulding forces and causing elastic deformation of the projections without any material being cut off from the projections.

IPC 8 full level  
**B28B 7/00** (2006.01); **B28B 1/00** (2006.01); **B28B 3/00** (2006.01); **B28B 7/10** (2006.01); **B28B 21/00** (2006.01); **E01C 5/06** (2006.01); **G09F 7/16** (2006.01); **B28B 3/06** (2006.01)

IPC 8 main group level  
**B28B** (2006.01)

CPC (source: EP US)  
**B28B 7/0064** (2013.01 - EP US); **B28B 7/10** (2013.01 - EP US); **B28B 3/06** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004022294 A2 20040318; WO 2004022294 A3 20050317**; AT E370825 T1 20070915; AU 2003266334 A1 20040329; AU 2003266334 A8 20040329; CN 100475473 C 20090408; CN 1678437 A 20051005; DE 10241238 A1 20040408; DE 10241238 B4 20070927; DE 50308018 D1 20071004; DK 1536933 T3 20071022; EP 1536933 A2 20050608; EP 1536933 B1 20070822; ES 2289352 T3 20080201; PT 1536933 E 20071008; US 2005238751 A1 20051027; US 7172404 B2 20070206

DOCDB simple family (application)  
**EP 0309652 W 20030830**; AT 03793777 T 20030830; AU 2003266334 A 20030830; CN 03821128 A 20030830; DE 10241238 A 20020906; DE 50308018 T 20030830; DK 03793777 T 20030830; EP 03793777 A 20030830; ES 03793777 T 20030830; PT 03793777 T 20030830; US 52435205 A 20050211