

Title (en)
MOULD FOR PRODUCING A BOX PISTON

Title (de)
GIESSFORM ZUR HERSTELLUNG EINES KASTENKOLBENS

Title (fr)
MOULE POUR LA PRODUCTION D'UN PISTON EN FORME DE CAISSON

Publication
EP 1218130 A2 20020703 (DE)

Application
EP 00930985 A 20000321

Priority
• DE 0000921 W 20000321
• DE 19922809 A 19990519

Abstract (en)
[origin: DE19922809A1] Casting process comprises producing recesses (7) by cores (6) that move on deformation. Preferred Features: The moving core is made of one piece and has a window insert (4) which has a borehole for receiving a separate sleeve (2). The sleeve produces a throughbore (3) on casting the piston (1).

IPC 1-7
B22D 15/02; **B22D 17/24**

IPC 8 full level
B22D 15/02 (2006.01); **F02F 3/00** (2006.01); **F16J 1/00** (2006.01); **F16J 1/04** (2006.01)

CPC (source: EP US)
B22D 15/02 (2013.01 - EP US); **F02F 3/00** (2013.01 - EP US); **Y10T 29/49249** (2015.01 - EP US)

Citation (search report)
See references of WO 0072116A2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19922809 A1 20001123; BR 0011270 A 20030715; BR 0011270 B1 20140527; DE 50014483 D1 20070823; EP 1218130 A2 20020703; EP 1218130 B1 20070711; ES 2290036 T3 20080216; JP 2003522313 A 20030722; JP 4732595 B2 20110727; US 6546993 B1 20030415; WO 0072116 A2 20001130; WO 0072116 A3 20020425

DOCDB simple family (application)
DE 19922809 A 19990519; BR 0011270 A 20000321; DE 0000921 W 20000321; DE 50014483 T 20000321; EP 00930985 A 20000321; ES 00930985 T 20000321; JP 2000620443 A 20000321; US 97959201 A 20011116