

Title (en)  
Device for the manufacture of casting moulds

Title (de)  
Einrichtung zur Erstellung von Giessformen

Title (fr)  
Dispositif pour la fabrication de moules de coulée

Publication  
**EP 1488872 B1 20080917 (DE)**

Application  
**EP 04450106 A 20040511**

Priority  
AT 9422003 A 20030617

Abstract (en)  
[origin: EP1488872A1] To produce a sand mold, for casting, the sand is blown into a chamber zone containing a model through an opening (122), with slits at least in the limit plate to allow the air to escape. At least one plate (1) is of a wear-resistant material e.g. containing  $\geq 1.0$  wt.% carbon and  $\geq 8.0$  wt.% chrome. The material also contains manganese (Mn), molybdenum (Mo), tungsten (W) and vanadium (V) as the main alloy constituents. A number of curved slits (2) are located at the air escape zones. The plate has a sandwich structure with fasteners (123) with a carrier plate of construction steel, and a hard layer plate (12) of a wear-resistant material towards the interior.

IPC 8 full level  
**B22C 11/10** (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP)  
**B22C 11/10** (2013.01)

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1488872 A1 20041222; EP 1488872 B1 20080917**; AT 413949 B 20060715; AT A9422003 A 20051115; AT E408468 T1 20081015; DE 502004008073 D1 20081030; DK 1488872 T3 20090202

DOCDB simple family (application)  
**EP 04450106 A 20040511**; AT 04450106 T 20040511; AT 9422003 A 20030617; DE 502004008073 T 20040511; DK 04450106 T 20040511