

Title (en)  
FEEDER INSERT WITH PROTECTIVE CAP

Title (de)  
SPEISEREINSATZ MIT SCHUTZKAPPE

Title (fr)  
PIECE RAPPORTEE POUR SYSTEME D'ALIMENTATION POURVUE D'UN CAPUCHON DE PROTECTION

Publication  
**EP 1446249 A2 20040818 (DE)**

Application  
**EP 02790401 A 20021119**

Priority  
• DE 10156571 A 20011120  
• EP 0212925 W 20021119

Abstract (en)  
[origin: US2004256075A1] A feeder insert is provided for a mold utilized for pouring metal. The insert includes a feeder body having a feed volume, in the form of an inner space, delimited by side walls and a top portion. A feed opening is provided in the base region for communicating with a hollow mold space. A domed feeder cap is displaceably disposed on a feeder body, surrounds the side walls of the feeder body to form an insulating gap, and is fixed in position relative to the feeder body prior to molding of the insert. At least one spacer of flexible material is disposed between the top portions of the feeder body and feeder cap such that during molding of the insert, and placement of the feeder body on the mold surface, due to molding pressure that occurs the feeder cap is displaceable relative to the feeder body while leaving an insulating gap between the top portions of the feeder body and feeder cap.

IPC 1-7  
**B22C 9/08**

IPC 8 full level  
**B22C 9/08** (2006.01); **B22C 23/00** (2006.01)

CPC (source: EP US)  
**B22C 9/088** (2013.01 - EP US); **B22C 23/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 03043761A2

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

DOCDB simple family (publication)  
**US 2004256075 A1 20041223**; **US 7156146 B2 20070102**; AT E360487 T1 20070515; AU 2002366223 A1 20030610;  
AU 2002366223 A8 20030610; CN 1273239 C 20060906; CN 1589186 A 20050302; DE 10156571 C1 20030116; DE 50210045 D1 20070606;  
EP 1446249 A2 20040818; EP 1446249 B1 20070425; ES 2284955 T3 20071116; PL 203933 B1 20091130; PL 368685 A1 20050404;  
RU 2004118608 A 20060110; WO 03043761 A2 20030530; WO 03043761 A3 20031106

DOCDB simple family (application)  
**US 49644804 A 20040520**; AT 02790401 T 20021119; AU 2002366223 A 20021119; CN 02822912 A 20021119; DE 10156571 A 20011120;  
DE 50210045 T 20021119; EP 0212925 W 20021119; EP 02790401 A 20021119; ES 02790401 T 20021119; PL 36868502 A 20021119;  
RU 2004118608 A 20021119