

Title (en)  
CONTINUOUS CASTING METHOD FOR METALS AND INGOT MOULD FOR IMPLEMENTING SAME

Title (de)  
STRANGGUSSVERFAHREN VON METALLEN UND KOKILLE ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)  
PROCEDE DE COULEE CONTINUE DES METAUX ET LINGOTIERE POUR SA MISE EN OEUVRE

Publication  
**EP 0891237 B1 20001227 (FR)**

Application  
**EP 97919470 A 19970403**

Priority  
• FR 9700595 W 19970403  
• FR 9604302 A 19960405

Abstract (en)  
[origin: WO9737794A1] An ingot mould has energetically cooled metal walls (1, 3) having means in their upper portion for decreasing the intensity of the heat flow extracted from the cast metal (2), such as a coating (6, 15) of a less conductive metal than that of the walls, or grooves (31) provided in said walls. On top of the walls is provided a heat insulating feeder bush (7) associated with gas injection means terminating in nozzles distributed on the inner periphery of said ingot mould. During the casting, the free surface of the liquid metal is maintained at the same level as the feeder bush, wherein the solid skin (21) only starts to solidify at the upper edge of the metal walls (3). The invention is particularly useful for the continuous casting of steel.

IPC 1-7  
**B22D 11/04**

IPC 8 full level  
**B22D 11/04** (2006.01); **B22D 11/041** (2006.01); **B22D 11/10** (2006.01)

CPC (source: EP KR)  
**B22D 11/04** (2013.01 - KR); **B22D 11/0401** (2013.01 - EP)

Cited by  
CN106735000A

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

DOCDB simple family (publication)  
**FR 2747059 A1 19971010; FR 2747059 B1 19980612**; AT E198285 T1 20010115; AU 2392997 A 19971029; BR 9708509 A 19990803; CA 2250786 A1 19971016; CA 2250786 C 20040622; DE 69703793 D1 20010201; DE 69703793 T2 20010712; DK 0891237 T3 20010507; EP 0891237 A1 19990120; EP 0891237 B1 20001227; ES 2154900 T3 20010416; GR 3035596 T3 20010629; JP 2000508243 A 20000704; JP 4058561 B2 20080312; KR 100447466 B1 20041015; KR 20000005257 A 20000125; PT 891237 E 20010629; WO 9737794 A1 19971016

DOCDB simple family (application)  
**FR 9604302 A 19960405**; AT 97919470 T 19970403; AU 2392997 A 19970403; BR 9708509 A 19970403; CA 2250786 A 19970403; DE 69703793 T 19970403; DK 97919470 T 19970403; EP 97919470 A 19970403; ES 97919470 T 19970403; FR 9700595 W 19970403; GR 20010400441 T 20010316; JP 53590397 A 19970403; KR 19980707948 A 19981002; PT 97919470 T 19970403