

Title (en)  
INGOT MOULD FOR THE CONTINUOUS CASTING OF STEEL INTO BILLET AND COGGED INGOT FORMATS

Title (de)  
KOKILLE ZUM STAHLSTRANGGIESSEN VON KNÜPPEL- UND VORBLOCKFORMATEN

Title (fr)  
COQUILLE PERMETTANT LA COULEE EN CONTINU D'ACIER SOUS FORME DE BILLETES ET DE BLOOMS

Publication  
**EP 1212159 A1 20020612 (DE)**

Application  
**EP 00960417 A 20000809**

Priority  
• CH 156099 A 19990826  
• EP 0007716 W 20000809

Abstract (en)  
[origin: WO0114084A1] According to prior art, ingot moulds for the continuous casting of steel into billet and clogged ingot formats are usually made of a water-cooled copper pipe which forms an inner body, a water cooling jacket and a housing of the ingot mould. The aim of the invention is to prevent the costly production of said copper pipes. To this end, an inner body is provided as the ingot mould pipe of the inventive ingot mould. Said inner body comprises a support (6) for a coating. Said support is made of aluminium or an aluminium alloy and is provided with a coating (7) that is introduced into the die cavity (4). The aim of the invention is to subsequently adapt the coating (7) to the measurements of the die cavity by means of a treatment.

IPC 1-7  
**B22D 11/057**; **B22D 11/059**

IPC 8 full level  
**B22D 11/04** (2006.01); **B22D 11/055** (2006.01); **B22D 11/057** (2006.01); **B22D 11/059** (2006.01); **B22D 11/11** (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP KR)  
**B22D 11/057** (2013.01 - EP KR); **B22D 11/059** (2013.01 - EP)

Citation (search report)  
See references of WO 0114084A1

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

DOCDB simple family (publication)  
**WO 0114084 A1 20010301**; AR 025350 A1 20021120; AT E241440 T1 20030615; AU 7273600 A 20010319; CA 2383075 A1 20010301; CA 2383075 C 20080826; CN 1187147 C 20050202; CN 1371313 A 20020925; CZ 2002670 A3 20020717; CZ 295184 B6 20050615; DE 50002384 D1 20030703; DK 1212159 T3 20030929; EG 22198 A 20021031; EP 1212159 A1 20020612; EP 1212159 B1 20030528; ES 2194770 T3 20031201; JP 2003507190 A 20030225; JP 4603746 B2 20101222; KR 100607855 B1 20060802; KR 20020026549 A 20020410; MY 122657 A 20060429; PE 20010411 A1 20010418; PT 1212159 E 20031031; RU 2243849 C2 20050110; TR 200200502 T2 20020621; TW 464564 B 20011121

DOCDB simple family (application)  
**EP 0007716 W 20000809**; AR P000104336 A 20000822; AT 00960417 T 20000809; AU 7273600 A 20000809; CA 2383075 A 20000809; CN 00812089 A 20000809; CZ 2002670 A 20000809; DE 50002384 T 20000809; DK 00960417 T 20000809; EG 20001070 A 20000819; EP 00960417 A 20000809; ES 00960417 T 20000809; JP 2001518210 A 20000809; KR 20027001038 A 20020124; MY PI20003847 A 20000822; PE 0008532000 A 20000822; PT 00960417 T 20000809; RU 2002107419 A 20000809; TR 200200502 T 20000809; TW 89117001 A 20000822