

Title (en)
CONTINUOUS CASTING INGOT MOULD FOR GUIDING CONTINUOUS CASTINGS

Title (de)
STRANGGIESSKOKILLE ZUM FÜHREN VON STRÄNGEN

Title (fr)
COQUILLE DE COULEE CONTINUE POUR GUIDER DU METAL EN CONTINU

Publication
EP 0741616 A1 19961113 (DE)

Application
EP 95906266 A 19950120

Priority
• DE 9500092 W 19950120
• DE 4403050 A 19940128

Abstract (en)
[origin: WO9520443A1] The invention relates to a continuous casting mould for producing continuously cast metal in the form of slabs, thin slabs, cogs and billets. The ingot mould ensures a high degree of casting reliability at casting rates of up to 6 m/min. The cambered shape of the ingot mould ensures that the casting is centred during the casting process, thus preventing or damping sideways motion of the mould (snaking) in the direction of one of its small sides. This symmetrical motion of the box when pouring into the ingot mould takes place results in an even symmetrical structure in the casting shell, the temperature field (isotherms) thereof, the extraction forces and the stress on the casting shell in relation to the casting axis in the direction of pouring, even where there is swing of the casting along the casting guide.

IPC 1-7
B22D 11/04

IPC 8 full level
B22D 11/124 (2006.01); **B22D 11/04** (2006.01); **B22D 11/05** (2006.01); **B22D 11/128** (2006.01)

CPC (source: EP US)
B22D 11/0408 (2013.01 - EP US)

Citation (search report)
See references of WO 9520443A1

Designated contracting state (EPC)
AT BE DE ES FR GB IT

DOCDB simple family (publication)
WO 9520443 A1 19950803; AT E177664 T1 19990415; AU 1453295 A 19950815; AU 692823 B2 19980618; BR 9506591 A 19970916; CA 2181903 A1 19950803; CN 1064873 C 20010425; CN 1139891 A 19970108; DE 4403050 C1 19950928; DE 59505379 D1 19990422; EP 0741616 A1 19961113; EP 0741616 B1 19990317; ES 2131303 T3 19990716; JP 3048641 B2 20000605; JP H09509366 A 19970922; KR 100352220 B1 20021111; RU 2139166 C1 19991010; US 5730207 A 19980324; ZA 95672 B 19950928

DOCDB simple family (application)
DE 9500092 W 19950120; AT 95906266 T 19950120; AU 1453295 A 19950120; BR 9506591 A 19951021; CA 2181903 A 19950120; CN 95191386 A 19950120; DE 4403050 A 19940128; DE 59505379 T 19950120; EP 95906266 A 19950120; ES 95906266 T 19950120; JP 51982095 A 19950120; KR 19960703588 A 19960703; RU 96117379 A 19950120; US 68266796 A 19960729; ZA 95672 A 19950127