

Title (en)
SUPPORTED TUBULAR MOULD FOR BILLET AND INGOT INSTALLATIONS

Title (de)
GESTÜTZTE ROHRKOKILLE FÜR KNÜPPEL- UND VORBLOCKANLAGEN

Title (fr)
LINGOTIÈRE TUBULAIRE SOUTENUE POUR DES INSTALLATIONS DE PRODUCTION DE BILLETES ET DE BLOOMS

Publication
EP 3283245 B1 20190123 (DE)

Application
EP 16718629 A 20160414

Priority
• AT 503032015 A 20150416
• EP 2016058231 W 20160414

Abstract (en)
[origin: WO2016166215A1] A tubular mould for the continuous casting of metal strands in billet and ingot format comprises an internal, interchangeable mould tube (1) having a holding device (2), a water guide jacket (3) and a head flange (4) at the pouring-in end and a foot flange (5) at the pouring-out end. The mould tube (1) is connected to the water guide jacket (3) via the head flange (4), the foot flange (5) and the holding device (2) and forms a water gap (11) of identical shape therewith, through which coolant flows counter to the casting direction (G) during casting operation. The mould tube (1) can be introduced into the water guide jacket (3) and removed therefrom in one piece and is connected at its outer surface to the water guide jacket (3) via tension screws (23) and pressure screws (22), with the result that the water guide jacket (3) acts as a mechanical support for the mould tube (1). The water guide jacket (3) is additionally produced from one piece of non-magnetic material, thereby allowing the use of electromagnetic stirring coils.

IPC 8 full level
B22D 11/041 (2006.01); **B22D 11/055** (2006.01); **B22D 11/059** (2006.01)

CPC (source: AT EP)
B22D 11/04 (2013.01 - AT); **B22D 11/041** (2013.01 - AT EP); **B22D 11/055** (2013.01 - AT EP); **B22D 11/059** (2013.01 - EP);
B22D 11/20 (2013.01 - AT)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016166215 A1 20161020; AT 517139 A1 20161115; AT 517139 B1 20180315; EP 3283245 A1 20180221; EP 3283245 B1 20190123

DOCDB simple family (application)
EP 2016058231 W 20160414; AT 503032015 A 20150416; EP 16718629 A 20160414