

Title (en)  
Continuous cast method

Title (de)  
Stranggiessverfahren

Title (fr)  
Procédé de coulée continue

Publication  
**EP 2100676 A1 20090916 (EN)**

Application  
**EP 08106006 A 20081217**

Priority  
EP 08106006 A 20081217

Abstract (en)  
Disclosed is a continuous cast method, wherein a melt (4) is supplied into a frame-shaped mould through a top opening of the mould by a nozzle (5) having at least two opposing ports (9), until a surface level (10) of the melt (4) reaches a steady state position above the ports (9), and wherein in a steady state condition, an at least superficially solidified casting (13) is drawn through a bottom opening of the mould opposite to the top opening, at a velocity corresponding to the flow rate of the melt (4), thus basically keeping the surface level (10) in the steady state position. In order to reduce spillings and related drawbacks during the starting procedure, the invention suggests that a splash shield (16) is mounted to the nozzle (5) and prevents spillings of the melt (4) protruding from the ports (9) from hitting the mould, and that the splash shield (16) is molten by the surrounding melt (4) at least in the steady state condition.

IPC 8 full level  
**B22D 7/12** (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP)  
**B22D 7/12** (2013.01); **B22D 41/50** (2013.01)

Citation (search report)

- [A] EP 0950453 A1 19991020 - LTV STEEL CO INC [US]
- [A] US 3189315 A 19650615 - VERNA RALPH A
- [A] EP 0771600 A1 19970507 - USINOR SACILOR [FR], et al

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

Designated extension state (EPC)  
RS

DOCDB simple family (publication)  
**EP 2100676 A1 20090916; EP 2100676 B1 20120606**; EA 018656 B1 20130930; EA 200901560 A1 20100830; ES 2388900 T3 20121019; PL 2100676 T3 20121130; SI 2100676 T1 20121030; SK 500632009 U1 20091105; SK 5440 Y1 20100507; ZA 200908972 B 20100825

DOCDB simple family (application)  
**EP 08106006 A 20081217**; EA 200901560 A 20091217; ES 08106006 T 20081217; PL 08106006 T 20081217; SI 200830707 T 20081217; SK 500632009 U 20090803; ZA 200908972 A 20091217