

Title (en)

Tundish for continuous casting steel.

Title (de)

Verteiler zum Stranggiessen von Stahl.

Title (fr)

Répartiteur de coulée continue d'acier.

Publication

EP 0404641 B1 19931110 (FR)

Application

EP 90401646 A 19900614

Priority

FR 8908008 A 19890616

Abstract (en)

[origin: EP0404641A1] Tundish 1 for continuous casting of steel, of the type comprising a continuous refractory 3, 3' cast on a sheet-metal casing 2 forming the outer wall of the tundish, and on which a wear refractory 4 is deposited. A gas pipe 11 is provided in the mass of the said continuous refractory 3, the said pipe penetrating into the said continuous refractory 3 at the level of the upper edge 12 of the tundish and developing, at the level of the bottom of the tundish, into a gas-distribution chamber 13 covered with a gas-permeable plate distributed over the surface. <?? >Application to the continuous casting of steels for a tundish between ladle and casting moulds. <IMAGE>

IPC 1-7

B22D 41/58; **B22D 11/10**; **B22D 1/00**

IPC 8 full level

B22D 11/10 (2006.01); **B22D 1/00** (2006.01); **B22D 11/04** (2006.01); **B22D 11/117** (2006.01); **B22D 41/08** (2006.01); **B22D 41/58** (2006.01)

CPC (source: EP US)

B22D 1/00 (2013.01 - EP US); **B22D 11/0401** (2013.01 - EP US); **B22D 41/08** (2013.01 - EP US)

Cited by

CN106735146A; FR2673552A1; US5219514A; WO2005108628A1

Designated contracting state (EPC)

AT BE DE ES FR IT LU SE

DOCDB simple family (publication)

EP 0404641 A1 19901227; **EP 0404641 B1 19931110**; AT E97042 T1 19931115; DE 69004493 D1 19931216; DE 69004493 T2 19940224; ES 2045845 T3 19940116; FR 2652023 A1 19910322; FR 2652023 B1 19911031; JP H0390256 A 19910416; RU 1838036 C 19930830; US 5054749 A 19911008

DOCDB simple family (application)

EP 90401646 A 19900614; AT 90401646 T 19900614; DE 69004493 T 19900614; ES 90401646 T 19900614; FR 8908008 A 19890616; JP 14751790 A 19900607; SU 4830231 A 19900614; US 53770490 A 19900614