

Title (en)

METHOD AND DEVICE FOR CONTINUOUS CASTING OF LIQUID STEEL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM STRANGGIESSEN VON FLÜSSIGEM STAHL

Title (fr)

PROCEDE ET DISPOSITIF POUR COULER EN CONTINU DE L'ACIER LIQUIDE

Publication

**EP 1330322 A1 20030730 (FR)**

Application

**EP 01971525 A 20010918**

Priority

- BE 0100158 W 20010918
- BE 200000643 A 20001010

Abstract (en)

[origin: WO0230598A1] The invention concerns a nozzle mainly consisting, when viewed in vertical position and in the forward movement of the liquid steel from the top downwards, of a vertical conduit (5) comprising in its upper part a distributing member, arranged substantially at the intake of said conduit and including a dome (6) for deflecting the metal penetrating into the nozzle, which is also provided with means for injecting a gaseous, liquid or solid finely divided material beneath said dome (6) into a so-called inner zone (11). The dome (6) of said distributing member is provided with means for separating liquid steel into two jets (B, C), a jet (B) flowing into the so-called inner zone (11) and penetrating into the ingot mould (1) through a first orifice (9) at the lower base of said conduit (5) and a jet (C) flowing into a so-called outer zone (12) and penetrating into the ingot mould (1) through lateral orifices (8) located in the vertical wall of said conduit (5).

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