

Title (en)
IMMERSION NOZZLE FOR CONTINUOUS CASTING OF STEEL

Title (de)
TAUCHDÜSE FÜR DAS STRANGGIESSEN

Title (fr)
TUYERE D'IMMERSION POUR COULEE EN CONTINU D'ACIER

Publication
EP 1053808 A1 20001122 (EN)

Application
EP 99900164 A 19990112

Priority

- JP 9900058 W 19990112
- JP 614398 A 19980114
- JP 13223998 A 19980514

Abstract (en)
A submerged nozzle for continuous casting of steel wherein the whole nozzle or a part or the whole of the inner wall portion thereof which comes into contact with molten steel is made of a spinel-periclase-graphite type refractory, especially a spinel-periclase-graphite type refractory comprising 50 to 95% by weight of spinel, 0 to 20% by weight periclase, 5 to 30% by weight of graphite, and not more than 3% by weight of unavoidable impurities. The inner wall portion 1 and the portion 2 around the spout of the inner wall portion can be made of the above spinel-periclase-graphite type refractory, the nozzle main body can be made of AG-based refractory, and the powder line portion 3 can be made of ZrO₂-C type refractory.
<IMAGE>

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B22D 11/10; B22D 41/54

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