

Title (en)

NOZZLE FOR CONTINUOUS CASTING OF STEEL

Title (de)

GIESSDÜSE FÜR DAS STRANGGIESSEN VON STAHL

Title (fr)

AJUTAGE POUR COULAGE CONTINU D'ACIER

Publication

**EP 0936008 A4 20000809 (EN)**

Application

**EP 98914122 A 19980421**

Priority

- JP 9801825 W 19980421
- JP 11824197 A 19970508

Abstract (en)

[origin: WO9850184A1] A nozzle for continuous casting of steel which excels in resistances to both clogging and melting loss, characterized in that the inner hole and/or the part in contact with molten steel of the nozzle for continuous casting of steel are formed of a refractory material consisting of spinel or spinel and periclase as mineral phase.

IPC 1-7

**B22D 41/54**; **C04B 35/443**

IPC 8 full level

**B22D 11/10** (2006.01); **B22D 41/50** (2006.01); **B22D 41/54** (2006.01)

CPC (source: EP)

**B22D 41/505** (2013.01); **B22D 41/54** (2013.01)

Citation (search report)

- [X] EP 0601700 A2 19940615 - SHAW RICHARD DUDLEY [GB]
- [PX] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12 25 December 1997 (1997-12-25)
- See references of WO 9850184A1

Cited by

CN105965006A

Designated contracting state (EPC)

AT DE GB IT

DOCDB simple family (publication)

**WO 9850184 A1 19981112**; AU 6855298 A 19981127; AU 714663 B2 20000106; EP 0936008 A1 19990818; EP 0936008 A4 20000809; JP 3213699 B2 20011002; JP H10305355 A 19981117

DOCDB simple family (application)

**JP 9801825 W 19980421**; AU 6855298 A 19980421; EP 98914122 A 19980421; JP 11824197 A 19970508