

Title (en)

Apparatus for melting, tempering and conveyance of molten metal

Title (de)

Vorrichtung zum Schmelzen, Temperieren und Fördern von Flüssigmetall

Title (fr)

Appareil de fusion, trempe et d'extraction de coulée

Publication

**EP 0993234 A3 20000503 (DE)**

Application

**EP 99118853 A 19990924**

Priority

DE 19844345 A 19980928

Abstract (en)

[origin: EP0993234A2] Apparatus comprises a vessel wall (1), ribs (2) and a covering wall (3), all forming hot channels (4).

IPC 1-7

**H05B 6/34**; H05B 3/06; B05C 5/04; C22C 38/00; C30B 15/00

IPC 8 full level

**B05C 5/04** (2006.01); **C30B 15/00** (2006.01); **F27B 14/06** (2006.01); **F27D 3/14** (2006.01); **F27D 11/04** (2006.01); **H05B 3/03** (2006.01); **H05B 3/06** (2006.01); **H05B 3/60** (2006.01); **H05B 6/34** (2006.01); **F27D 1/00** (2006.01); **F27D 3/00** (2006.01); **F27D 27/00** (2010.01)

CPC (source: EP)

**F27B 14/06** (2013.01); **F27D 3/14** (2013.01); **F27D 11/04** (2013.01); **H05B 3/03** (2013.01); **H05B 3/60** (2013.01); **F27D 1/004** (2013.01); **F27D 27/00** (2013.01); **F27D 2003/0054** (2013.01)

Citation (search report)

- [A] EP 0076057 A1 19830406 - NORDSON CORP [US]
- [A] US 4751047 A 19880614 - YOSHIDA MASASHI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 491 (C - 554) 21 December 1988 (1988-12-21)

Cited by

CN112915824A; WO2020163889A1

Designated contracting state (EPC)

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**EP 0993234 A2 20000412**; **EP 0993234 A3 20000503**; **EP 0993234 B1 20021106**; AT E227498 T1 20021115; DE 19844345 A1 20000330; DE 59903305 D1 20021212

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