

Title (en)

SYSTEM FOR OPTICALLY ANALYZING A MOLTEN METAL BATH

Title (de)

SYSTEM ZUR OPTISCHEN ANALYSE EINES BADS VON SCHMELZFLÜSSIGEM METALL

Title (fr)

SYSTEME SERVANT A EFFECTUER L'ANALYSE OPTIQUE D'UN BAIN DE METAL EN FUSION

Publication

EP 1853740 A2 20071114 (EN)

Application

EP 06720385 A 20060208

Priority

- US 2006004167 W 20060208
- US 6080805 A 20050218

Abstract (en)

[origin: US2005145071A1] A system for optically analyzing a molten metal bath wherein a high velocity argon gas stream is passed from a lance to the bath and is maintained coherent by a flame envelope to provide a clear sight pathway through the argon gas stream for sighting the molten metal bath longitudinally through the argon gas stream from a remote or spaced sighting point.

IPC 8 full level

C21C 7/00 (2006.01); **C21C 5/46** (2006.01); **C21D 1/74** (2006.01); **F27D 3/16** (2006.01); **F27D 19/00** (2006.01); **F27D 21/00** (2006.01)

CPC (source: EP KR US)

C21C 5/4606 (2013.01 - EP US); **C21C 5/4673** (2013.01 - EP US); **C21C 7/00** (2013.01 - KR); **C21C 7/072** (2013.01 - EP US); **C21D 1/74** (2013.01 - KR); **F27D 3/16** (2013.01 - EP US); **F27D 19/00** (2013.01 - EP US); **F27D 21/00** (2013.01 - EP US); **F27D 21/0014** (2013.01 - EP US); **F27D 21/02** (2013.01 - EP US); **F27D 2003/164** (2013.01 - EP US); **F27D 2003/166** (2013.01 - EP US); **F27D 2019/0003** (2013.01 - EP US); **F27D 2019/0006** (2013.01 - EP US)

Citation (search report)

See references of WO 2006091362A2

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

US 2005145071 A1 20050707; AR 052294 A1 20070307; BR PI0607616 A2 20161101; CA 2598111 A1 20060831; CN 101535507 A 20090916; EP 1853740 A2 20071114; JP 2008537014 A 20080911; KR 20070103076 A 20071022; MX 2007010080 A 20071017; TW 200636224 A 20061016; WO 2006091362 A2 20060831; WO 2006091362 A3 20090507; ZA 200706792 B 20090527

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