

Title (en)

Electromagnetic stirrer in a continuous casting installation.

Title (de)

Elektromagnetische Rührereinrichtung in einer Stranggiessanlage.

Title (fr)

Agitateur électromagnétique dans une installation de coulée continue.

Publication

EP 0415170 B1 19940921 (DE)

Application

EP 90115533 A 19900814

Priority

DE 3928311 A 19890828

Abstract (en)

[origin: EP0415170A2] In an electromagnetic stirrer (1) for stirring the molten crater (3), the stirrer (1) is to be improved in such a way that an additional treatment of the cooling water for cooling the stirrer is no longer necessary. It is proposed to dip the stirring coils (4) in the stirrer housing (7) into a first, essentially stationary liquid (8). A system of cooling tubes for a second liquid (10) is arranged within the stirrer housing (7) in the region of this first liquid (8). <IMAGE>

IPC 1-7

B22D 11/10

IPC 8 full level

B22D 11/10 (2006.01); **B22D 11/115** (2006.01)

CPC (source: EP KR US)

B22D 11/10 (2013.01 - KR); **B22D 11/115** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 0415170 A2 19910306; EP 0415170 A3 19920513; EP 0415170 B1 19940921; AT E111789 T1 19941015; DE 3928311 A1 19910307; DE 59007223 D1 19941027; ES 2063213 T3 19950101; JP H0394962 A 19910419; KR 0168418 B1 19990115; KR 910004273 A 19910328; US 5088547 A 19920218

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EP 90115533 A 19900814; AT 90115533 T 19900814; DE 3928311 A 19890828; DE 59007223 T 19900814; ES 90115533 T 19900814; JP 22265890 A 19900827; KR 900012976 A 19900822; US 57286190 A 19900824