

Title (en)

Process and device for controlled quenching of light metal castings in a liquid bath

Title (de)

Verfahren und Vorrichtung zum gesteuerten Abschrecken von Leichtmetallgussstücken in einem Flüssigkeitsbad

Title (fr)

Procédé et dispositif pour la trempe contrôlée de pièces coulées de métaux légers dans un bain de liquide

Publication

EP 1148146 A3 20031029 (DE)

Application

EP 01108439 A 20010404

Priority

DE 10019306 A 20000419

Abstract (en)

[origin: US2001054460A1] A method of controlled quenching of light metal castings in a liquid bath has castings in the liquid bath subjected, from below, at least temporarily, by a rising flow of gas bubbles. The gas bubbles are generated in situ in a uniformly distributed way at the base of the liquid bath.

IPC 1-7

C21D 1/63; **C22F 1/00**

IPC 8 full level

C21D 1/18 (2006.01); **C21D 1/63** (2006.01); **C21D 1/64** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)

C21D 1/63 (2013.01 - EP KR US); **C21D 1/64** (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US)

Citation (search report)

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- [A] DE 4412940 A1 19951026 - IVA INDUSTRIE OEFEN VERFAHREN A [DE]
- [A] DE 4215837 A1 19931118 - MAN TECHNOLOGIE GMBH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 073 (C - 101) 8 May 1982 (1982-05-08)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 012, no. 056 (C - 477) 19 February 1988 (1988-02-19)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 139 (C - 348) 22 May 1986 (1986-05-22)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2001054460 A1 20011227; AT E315110 T1 20060215; AU 3135301 A 20011101; AU 747095 B2 20020509; BR 0101500 A 20011120; CA 2344287 A1 20011019; CN 1323914 A 20011128; CZ 20011251 A3 20020515; CZ 296750 B6 20060614; DE 10019306 C1 20010913; DE 50108596 D1 20060330; EP 1148146 A2 20011024; EP 1148146 A3 20031029; EP 1148146 B1 20060104; EP 1148146 B8 20060405; ES 2256105 T3 20060716; HU 0101574 D0 20010628; HU P0101574 A2 20011228; HU P0101574 A3 20040301; JP 2001348617 A 20011218; KR 100443226 B1 20040804; KR 20010098726 A 20011108; MX PA01003906 A 20040531; NO 20011905 D0 20010418; NO 20011905 L 20011022; PL 347049 A1 20011022; SK 285480 B6 20070201; SK 4822001 A3 20020702; ZA 200102604 B 20011002

DOCDB simple family (application)

US 83383601 A 20010412; AT 01108439 T 20010404; AU 3135301 A 20010327; BR 0101500 A 20010418; CA 2344287 A 20010418; CN 01116646 A 20010417; CZ 20011251 A 20010405; DE 10019306 A 20000419; DE 50108596 T 20010404; EP 01108439 A 20010404; ES 01108439 T 20010404; HU P0101574 A 20010418; JP 2001117194 A 20010416; KR 20010021009 A 20010419; MX PA01003906 A 20010418; NO 20011905 A 20010418; PL 34704901 A 20010412; SK 4822001 A 20010409; ZA 200102604 A 20010329