

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

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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**

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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)

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- [X] EP 0345205 A1 19891206 - MANNESMANN AG [DE]
- [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)

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