

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 A2 20011024 (DE)

Application

EP 01108439 A 20010404

Priority

DE 10019306 A 20000419

Abstract (en)

[origin: DE10019306C1] Process for the controlled quenching of light metal cast pieces in a liquid bath comprises subjecting the cast pieces in the bath to gas bubbles, the bubbles being uniformly distributed at the base of the bath. AN Independent claim is also included for a device for the controlled quenching of light metal cast pieces in a liquid bath comprising a bath (11) filled with quenching liquid and connected to a gas bubble generator consisting of an air feed chamber (14) at the base of the bath with a cover (13) having a number of gas outlet openings. Preferred Features: The liquid in the bath is continuously circulated. The gas bubble stream is shut off before the cast pieces are removed from the bath.

Abstract (de)

Verfahren zum gesteuerten Abschrecken von Leichtmetallgußstücken in einem Flüssigkeitsbad, bei dem die Gußstücke im Flüssigkeitsbad von unten zumindest zeitweise von einem aufsteigenden Gasblasenstrom angeströmt werden, wobei die Gasblasen des Gasblasenstroms am Grund des Flüssigkeitsbades gleichverteilt in situ erzeugt werden. <IMAGE>

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IPC 8 full level

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