

Title (en)

Process for casting molten metal, in particular aluminium alloys and magnesium alloys, and device for its execution.

Title (de)

Verfahren zum Giessen flüssigen Metalles, insbesondere Aluminiumlegierungen und Magnesiumlegierungen und Vorrichtung zu dessen Durchführung.

Title (fr)

Procédé pour la coulée de métal fondu, en particulier des alliages d'aluminium et de magnésium ainsi qu'installation pour son application.

Publication

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Application

EP 88115342 A 19880919

Priority

IT 2214887 A 19871005

Abstract (en)

Process for casting molten metal, in particular aluminum alloys and magnesium alloys, and device for its execution. The process comprises in succession the steps of: casting molten metal in a molding cavity (13) and in at least one chamber (12) communicating with the cavity and arranged below it, pressure feeding the molding cavity completing its filling and at the same time pressure feeding the chamber in the solidification step, performing a high-pressure compression on the metal during the solidification step from the upper side of the molding cavity, extracting the cast part from the molding cavity.

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Cited by

CN110947927A; CN103056337A; JP2018012137A; EP0423447A3; US5143141A; AU636639B2; US7806162B2; US8899624B2; US8496258B2; WO2006122423A1

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