

Title (en)

Method and apparatus for directional solidification of a metal melt

Title (de)

Verfahren und Vorrichtung zum gerichteten Erstarren einer Metallschmelze

Title (fr)

Procédé et dispositif pour la coulée par solidification dirigée de métal en fusion

Publication

EP 1375034 A2 20040102 (EN)

Application

EP 03012565 A 20030603

Priority

US 17765802 A 20020620

Abstract (en)

Method as well as apparatus for directional solidification casting by withdrawing a melt-filled mold from an end of a casting furnace, spraying a liquid cooling medium to impinge on exterior surfaces of the mold as the mold is withdrawn, and collecting the cooling medium after it impinges on the exterior mold surfaces. <IMAGE>

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B22D 27/04

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN105364001A; CN109773166A; EP2969311A4; CN102380588A; CN103878344A; CN106694857A; WO2014164593A1; US10150159B2; EP2727669A3

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