

Title (en)

Apparatus for casting a directionally solidified article

Title (de)

Vorrichtung zum Giessen eines gerichtet erstarrten Giesskörpers

Title (fr)

Appareil pour la coulée d'une pièce solidifiée directionnellement

Publication

**EP 1162016 A1 20011212 (EN)**

Application

**EP 00110334 A 20000513**

Priority

EP 00110334 A 20000513

Abstract (en)

It is disclosed a casting furnace (1) for producing a single crystal or a directionally solidified article comprising an upper heating chamber (2), a lower cooling chamber (3), the cooling chamber (3) consisting of an upper portion (3b), a bottom portion (3c), walls (3d) and a bottom plate (3d), and a shell mould (5) to be moved from the heating to the cooling chamber (2,3) during the casting of the article. The cooling chamber (2) is formed with the bottom portion (3c) of the cooling chamber (3) having a greater base than the upper portion (3b) of the cooling chamber (3). This could be done as truncated cone or with curved walls. <IMAGE>

IPC 1-7

**B22D 27/04**

IPC 8 full level

**B22D 27/04** (2006.01)

CPC (source: EP)

**B22D 27/045** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

GB

DOCDB simple family (publication)

**EP 1162016 A1 20011212; EP 1162016 B1 20040721**

DOCDB simple family (application)

**EP 00110334 A 20000513**