

Title (en)

METHOD AND CASTING DEVICE FOR PRODUCING PARTS WITH A HELICALLY SYMMETRICAL OUTER CONTOUR

Title (de)

VERFAHREN UND GIESSVORRICHTUNG ZUM HERSTELLEN VON TEILEN MIT EINER SCHRAUBENSYMMETRISCHEN AUSSENKONTUR

Title (fr)

PROCEDE ET DISPOSITIF DE MOULAGE POUR LA FABRICATION DE PIECES A CONTOUR EXTERIEUR SYMETRIQUEMENT HELICOIDAL

Publication

**EP 0721387 B1 19991208 (DE)**

Application

**EP 95926880 A 19950714**

Priority

- DE 4426567 A 19940727
- DE 4430890 A 19940831
- EP 9502762 W 19950714

Abstract (en)

[origin: US5743321A] A casting mold member is produced from a master which has a section with a spirally symmetrical outer contour such that the casting mold member surrounds the section in an azimuthally closed manner with respect to the axis of symmetry. The casting mold member is used to provide a casting mold. The casting mold member is filled by feeding a cast iron melt, and solidifying the melt by using a graphitization pressure to prevent cavities and pores in the casting and by chilling the melt to obtain shell hardening.

IPC 1-7

**B22C 9/22**; **B22D 25/02**

IPC 8 full level

**B22C 9/22** (2006.01); **B22D 25/02** (2006.01)

CPC (source: EP US)

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Cited by

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BE DE DK FR GB IT NL SE

DOCDB simple family (publication)

**US 5743321 A 19980428**; CN 1046442 C 19991117; CN 1131398 A 19960918; DK 0721387 T3 20000529; EP 0721387 A1 19960717; EP 0721387 B1 19991208; WO 9603237 A1 19960208

DOCDB simple family (application)

**US 62274296 A 19960327**; CN 95190688 A 19950714; DK 95926880 T 19950714; EP 9502762 W 19950714; EP 95926880 A 19950714