

Title (en)

Method for manufacturing a core forming tool

Title (de)

Verfahren zur Herstellung eines Kernwerkzeuges

Title (fr)

Procédé de fabrication d'un outil pour la fabrication de noyaux

Publication

EP 2450123 A1 20120509 (DE)

Application

EP 10189844 A 20101103

Priority

EP 10189844 A 20101103

Abstract (en)

A new core die is produced by producing ceramic core using initial core die, casting using ceramic ore, and carrying out specification measurements on obtained cast component in which when cast component deviates from desired values, initial core die is not modified but the ceramic core is in turn produced using the same initial core die and ceramic core is processed to form a modified core. The modified core is used for casting until the modification of ceramic core or modified core have the effect that cast component complies with the required specifications.

Abstract (de)

Durch die iterative Modifikation des keramischen Kerns ohne Veränderung des Kernwerkzeugs kann ein optimaler Kern ermittelt werden ohne jedes Mal das Kernwerkzeug zu modifizieren. In einem letzten Schritt wird mit dem optimalen Kern ein optimales Kernwerkzeug hergestellt.

IPC 8 full level

B22C 9/06 (2006.01); **B22C 9/12** (2006.01); **B22C 13/12** (2006.01)

CPC (source: EP US)

B22C 9/06 (2013.01 - EP US); **B22C 9/12** (2013.01 - EP US); **B22C 13/12** (2013.01 - EP US)

Citation (applicant)

- EP 1204776 B1 20040602 - SIEMENS AG [DE], et al
- EP 1306454 A1 20030502 - SIEMENS AG [DE]
- EP 1319729 A1 20030618 - SIEMENS AG [DE]
- WO 9967435 A1 19991229 - SIEMENS AG [DE], et al
- WO 0044949 A1 20000803 - SIEMENS AG [DE], et al
- US 6024792 A 20000215 - KURZ WILFRIED [CH], et al
- EP 0892090 A1 19990120 - SULZER INNOTEC AG [CH]
- EP 0486489 B1 19941102 - SIEMENS AG [DE]
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- EP 0412397 B1 19980325 - SIEMENS AG [DE]
- EP 1306454 A1 20030502 - SIEMENS AG [DE]

Citation (search report)

- [A] US 2006065383 A1 20060330 - ORTIZ MILTON [US], et al
- [A] JP 2001191336 A 20010717 - CANON KK
- [A] US 2003010465 A1 20030116 - MIYAMOTO YUTAKA [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10189844 A 20101103; CN 201110339453 A 20111101; US 201113287358 A 20111102