

Title (en)

Tool for producing cores with variable pins and method for producing a core

Title (de)

Kernwerkzeug mit variablen Stiften und Verfahren zur Herstellung eines Kerns

Title (fr)

Outil à noyau doté de crayons variables et procédé de fabrication d'un noyau

Publication

**EP 2441537 A1 20120418 (DE)**

Application

**EP 10187894 A 20101018**

Priority

EP 10187894 A 20101018

Abstract (en)

The tool (1) has a cavity (2) that is formed between half sections (3,4). Pins (5) arranged on the half sections are replaced. The upper pin portion (8) and the lower pin portion (11) of the replaceable pins are fixed on projection portions (13,13') that are provided on half portions. The pins arranged on the inner walls (16,19) are projected outwards. The pin portions are fixed on projection portions by clamping, welding or brazing process. An independent claim is included for manufacturing method of core.

Abstract (de)

Durch den modularen inneren Aufbau eines Kernwerkzeugs (1) kann das Kernwerkzeug (1) durch kleine Änderungen den gewünschten Änderungen des Kerns schneller und einfacher angepasst werden, als wäre es nur einteilig oder die Stifte fester Bestandteil der Kernwerkzeughälften.

IPC 8 full level

**B22C 7/06** (2006.01); **B22C 9/10** (2006.01)

CPC (source: EP US)

**B22C 7/06** (2013.01 - EP US); **B22C 9/10** (2013.01 - EP US); **Y10T 29/49716** (2015.01 - 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
- EP 0486489 B1 19941102 - SIEMENS AG [DE]
- EP 0786017 B1 19990324 - SIEMENS AG [DE]
- EP 0412397 B1 19980325 - SIEMENS AG [DE]
- US 6024792 A 20000215 - KURZ WILFRIED [CH], et al
- EP 0892090 A1 19990120 - SULZER INNOTECH AG [CH]

Citation (search report)

- [Y] DE 10129975 A1 20020704 - ALSTOM SWITZERLAND LTD [CH]
- [Y] WO 2009150019 A1 20091217 - ALSTOM TECHNOLOGY LTD [CH], 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)

**EP 2441537 A1 20120418**; CN 102451884 A 20120516; US 2012118524 A1 20120517

DOCDB simple family (application)

**EP 10187894 A 20101018**; CN 201110319635 A 20111018; US 201113275460 A 20111018