

Title (en)

A CORE-SETTING APPARATUS USED FOR A MOLDING APPARATUS AND A METHOD FOR SETTING A CORE

Title (de)

FÜR EINE SPRITZGIESSVORRICHTUNG VERWENDETE KERNEINSTELLVORRICHTUNG UND VERFAHREN ZUM EINSTELLEN EINES KERNES

Title (fr)

APPAREIL D'INSTALLATION DE NOYAU UTILISE POUR UN APPAREIL DE MOULAGE ET PROCEDE POUR INSTALLER UN NOYAU

Publication

EP 2195130 B1 20120307 (EN)

Application

EP 08710815 A 20080129

Priority

- JP 2008051883 W 20080129
- JP 2007265425 A 20071011

Abstract (en)

[origin: US2008185117A1] These inventions provide a core-setting apparatus and a method for setting the core in a lower mold used for a molding apparatus, wherein the core-setting apparatus has a simple structure and can maintain the core in the mold in a highly accurate position. The inventions consist of: the core-setting apparatus to set a core in the lower mold while the upper and the lower mold and a match plate are separated from each other after molding the upper and lower mold that comprises: a handling tool having a holding means and a rotatable rod, wherein the handling tool is rotatably supported by the rod, a carrier for transferring the handling tool, wherein the carrier supports the rotatable rod and is moved to or from the location above the lower mold, and an actuator for lowering and lifting the cope flask together with the carrier and the handling tool which are located above the drag flask, wherein the actuator is mounted on the main body of the molding apparatus.

IPC 8 full level

B22C 9/10 (2006.01); **B22C 11/10** (2006.01); **B22C 15/02** (2006.01); **B22C 15/08** (2006.01)

CPC (source: EP US)

B22C 9/108 (2013.01 - EP US); **B22C 11/10** (2013.01 - EP US); **B22C 15/02** (2013.01 - EP US); **B22C 15/08** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2008185117 A1 20080807; AT E548141 T1 20120315; BR PI0817213 A2 20150310; BR PI0817213 B1 20151208; CN 101821035 A 20100901; CN 101821035 B 20121017; DK 2195130 T3 20120507; EP 2195130 A1 20100616; EP 2195130 B1 20120307; JP 2009107013 A 20090521; JP 5057243 B2 20121024; PL 2195130 T3 20120629; WO 2009047920 A1 20090416

DOCDB simple family (application)

US 2016408 A 20080125; AT 08710815 T 20080129; BR PI0817213 A 20080129; CN 200880111504 A 20080129; DK 08710815 T 20080129; EP 08710815 A 20080129; JP 2008051883 W 20080129; JP 2008204664 A 20080807; PL 08710815 T 20080129