

Title (en)

Foundry tools cleaning assembly and method for the production of mould shells or cares

Title (de)

Vorrichtung und Verfahren zur Werkzeugreinigung bei der Herstellung giessfertiger Masken bzw. Kernpakete

Title (fr)

Installation et procédé de nettoyage d'outil pour la production des noyaux ou des moules-carapaces

Publication

**EP 0636437 B1 19980610 (DE)**

Application

**EP 94105428 A 19940408**

Priority

- DE 4322192 A 19930705
- DE 4323107 A 19930710

Abstract (en)

[origin: US5544667A] An apparatus for cleaning tools during the manufacture of shells or core packets that are ready for casting, by means of core shooters or shooting stations that are preferably in a linear arrangement, the core shooter comprising tool sets consisting of a tool upper section, an ejector plate of the tool upper section, and a tool lower section, it being possible to uncouple the tool set from the core shooter and remove it preferably to a tool store (5), is provided, for purposes of ensuring rapid and fully automatic tool cleaning, with a delivery system (6), a first flushing system (7), at least one ultrasound bath (8), a second flushing system (9), optionally, a cooling system (10), a drying system (12), optionally an inspection station (13), and a removal system (14), the tool sets (4) being moved by means of the delivery system (6) from the core shooters or from the tool store (5) to a first manipulator (15), from this into the first flushing system (7), preferably by means of a second manipulator (16) into the ultrasound bath (8), into the second flushing system (9), optionally into the cooling system (10), and from there to the drying system (12), preferably by means of a third manipulator (17), optionally into the inspection station (13), to the removal system (14) and by means of this once again into the tool store (5) or to the core shooters.

IPC 1-7

**B22C 15/24**

IPC 8 full level

**B08B 3/12** (2006.01); **B22C 9/10** (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

CH DE DK ES FR GB IT LI SE

DOCDB simple family (publication)

**US 5544667 A 19960813**; CA 2126506 A1 19950106; DE 4323107 C1 19940526; DE 59406180 D1 19980716; DK 0636437 T3 19981130; EP 0636437 A1 19950201; EP 0636437 B1 19980610; ES 2119003 T3 19981001

DOCDB simple family (application)

**US 27106294 A 19940705**; CA 2126506 A 19940622; DE 4323107 A 19930710; DE 59406180 T 19940408; DK 94105428 T 19940408; EP 94105428 A 19940408; ES 94105428 T 19940408