

Title (en)

METHOD OF MANUFACTURING CAST METAL PRODUCTS, AND MANUFACTURING PLANT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON METALLGUSSPRODUKTEN UND PRODUKTIONSANLAGE

Title (fr)

PROCÉDÉ DE FABRICATION DE PRODUITS MÉTALLIQUES COULÉS ET INSTALLATION DE FABRICATION

Publication

**EP 2455170 A4 20140917 (EN)**

Application

**EP 10769545 A 20100223**

Priority

- JP 2010052680 W 20100223
- JP 2009112143 A 20090501

Abstract (en)

[origin: EP2455170A1] It is an object to provide a method for manufacturing a casting product with a self-hardening mold and a manufacturing foundry plant using the method wherein a shared production line is used in the same foundry plant to allow selecting and implementing either of the full mold process and the wooden pattern process, depending upon the type, and the like, of the product to thereby permit highly efficient production of castings. This object is achieved by disposing a compound multi-function molding line 1 to be sharedly used by the full mold process and the wooden pattern process in the central portion of the foundry plant; providing a casting line on the full mold process and a casting line on the wooden pattern process, sharing the molding line 1; and on the basis of the judgment elements of the shape, material, production lot, and the like, of a casting product of a manufacturing object, allowing either of the casting line on the full mold process and the casting line on the wooden pattern process to be selectively used.

IPC 8 full level

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CPC (source: EP)

**B22C 7/005** (2013.01); **B22C 7/04** (2013.01); **B22C 9/04** (2013.01); **B22D 47/02** (2013.01)

Citation (search report)

- [A] US 2005072552 A1 20050407 - ITOH TAKEKI [JP]
- [A] US 4733713 A 19880329 - KOHLER PETER G [US]
- [A] DE 2701554 A1 19771103 - INSTRUCTA TECH LEHRMITTEL HANN
- [A] JP H0569116 A 19930323 - ASAHI TEC CORP
- See references of WO 2010125845A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2455170 A1 20120523**; **EP 2455170 A4 20140917**; CN 102438775 A 20120502; CN 102438775 B 20131218; JP 4939668 B2 20120530; JP WO2010125845 A1 20121025; WO 2010125845 A1 20101104

DOCDB simple family (application)

**EP 10769545 A 20100223**; CN 201080032313 A 20100223; JP 2010052680 W 20100223; JP 2011511337 A 20100223