

Title (en)

Method and device for hardening foundry cores

Title (de)

Verfahren und Einrichtung zum Aushärten von Giesserei-Kernen

Title (fr)

Procédé et dispositif pour durcir des noyaux de fonderie

Publication

EP 1375031 B1 20060628 (DE)

Application

EP 02024017 A 20021028

Priority

CH 10342002 A 20020617

Abstract (en)

[origin: EP1375031A1] During core injection, an amine is dosed in the fluid state to a heating and mixing stage, to vaporize it. The gasification plate is connected, gas-tight. Hot compressed air is introduced over a given interval with proportional pressure increase. It is passed through the heating and mixing stage, which is loaded with the amine vapor. It continues as a catalyst vapor/carrier gas mixture through the sand-containing molding material in the core mold. A set interval of flushing follows, using hot compressed air. This is introduced through a separate supply line, passing it through the core mold and its contents. An Independent claim is included for corresponding apparatus.

IPC 8 full level

B22C 9/12 (2006.01)

CPC (source: EP US)

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Cited by

EP2848332A1; EP1849537A1; WO2020043714A1; WO2015036184A1; US9630241B2

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EP 02024017 A 20021028; AT 02024017 T 20021028; CH 0300368 W 20030611; CH 10342002 A 20020617; CN 03801782 A 20030611; DE 50207380 T 20021028; ES 02024017 T 20021028; US 49867604 A 20040610