

Title (en)

METHODS AND APPARATUS FOR HEAT TREATMENT AND SAND REMOVAL FOR CASTINGS

Title (de)

VERFAHREN UND VORRICHTUNG FÜR WÄRMEBEHANDLUNG UND SANDENTFERNUNG FÜR GUSSTEILE

Title (fr)

PROCEDES ET APPAREIL DE TRAITEMENT A CHAUD ET D'ELIMINATION DU SABLE POUR PIECES MOULEES

Publication

**EP 1575722 A2 20050921 (EN)**

Application

**EP 03785083 A 20030807**

Priority

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Abstract (en)

[origin: WO2004014581A2] A system and method for heat treating castings and removing sand cores therefrom. The castings are initially located in indexed positions with their x, y, and z coordinates known. The castings are passed through a heat treatment station typically having a series of nozzles mounted in preset positions corresponding to the known indexed positions of the castings passing through the heat treatment station. The nozzles apply fluid to the castings for heat treating the castings and degrading the sand cores for removal from the castings.

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**B22D 29/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2004014581A2

Citation (examination)

- WO 0108836 A1 20010208 - CONS ENG CO INC [US]
- US 5158130 A 19921027 - SAHARI HARRI [FI]
- EP 0466419 A2 19920115 - ADVANCED PLASTICS PARTNERSHIP [US]

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EP 2027952 A3 20100120; EP 2027953 A2 20090225; EP 2027953 A3 20100120; HK 1087664 A1 20061020; JP 2006504531 A 20060209;  
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