

Title (en)

PRODUCTION METHOD WITH A VACUUM SAND MOULD

Title (de)

FERTIGUNGSVERFAHREN MIT EINER VAKUUM-SANDGUSSFORM

Title (fr)

PROCÉDÉ DE FABRICATION À L'AIDE D'UN MOULE DE COULÉE AU SABLE SOUS VIDE

Publication

EP 3320999 B1 20191113 (DE)

Application

EP 16198875 A 20161115

Priority

EP 16198875 A 20161115

Abstract (en)

[origin: US2018133783A1] A production method for producing cast parts from metal using a sand casting mould (1). The sand casting mould (1) is produced in this case in a moulding box (2) by means of a negative-pressure moulding method. According to the invention, the sand casting mould (1), which is under negative pressure, in the moulding box (2) is first of all filled with molten metal (5). The moulding box (2) with the sand casting mould (1), which is under negative pressure therein, is then completely or partially impinged upon by a cooling fluid (4) and after, at the same time as, or before the cooling fluid impingement is opened at places with cooling fluid impingement. As a result of this, cooling fluid (4) is sucked into the sand casting mould (1) which is under negative pressure, as a result of which the solidifying cast part (3) is quenched more quickly.

IPC 8 full level

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CPC (source: CN EP US)

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Cited by

EP4205877A1; CN112008039A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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