

Title (en)

A METHOD FOR MAKING MOULDS.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GUSSFORMEN.

Title (fr)

PROCEDE DE FABRICATION DE MOULES.

Publication

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Application

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Abstract (en)

[origin: WO9319870A1] A method for making a mould used in the manufacture of foundry castings comprises (a) providing a water-insoluble particulate material, such as sand; (b) combining the particulate material with a binder, preferably containing polyphosphate chains and/or borate ions and water; (c) heating the mixture to a temperature in excess of 100 DEG C; (d) forming the mixture into a desired shape; and removing water from the mixture, with air, at a temperature in excess of 100 DEG C. The method ensures that the volatilisation of the water does not cool the mixture and, therefore, the production cycle is hastened and efficiency is improved.

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