

Title (en)
CASTING METHOD AND APPARATUS THEREFOR

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Application
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Abstract (en)
[origin: EP0293961A1] A method and apparatus are described for the casting of components requiring equiaxed grain structure and low porosity and having widely different section thicknesses. The method comprises the steps of filling a mould (22) of the desired component with molten metal in a first chamber (11), withdrawing the filled mould (22) into a second chamber (34), isolating the second chamber (34) from the first chamber (11) with regard to pressure, pressurising the second chamber (34) with a fluid up to a maximum pressure of 7 MPa and oscillating the filled mould (22) whilst under pressure until at least partial solidification has occurred. Examples of apparatus are given in the casting of turbine discs having integrally formed blades.

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Cited by
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