

Title (en)
CASTING OF METAL ARTEFACTS

Title (de)
GIESSEN VON METALLARTEFAKTEN

Title (fr)
MOULAGE DE PRODUITS EN METAL

Publication
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Application
EP 04798951 A 20041124

Priority

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Abstract (en)
[origin: WO2005051571A1] The invention provides a process, casting assembly (10) and casting apparatus for charging a mould (12) with molten metal and solidifying it in the mould to form an artefact, the process including, prior to charging the mould, heating the mould by induction heating to an elevated temperature at which the charging takes place. The assembly (10) includes a mould (12) for casting the artefact and an induction heating arrangement (14), which includes at least one induction coil surrounding the mould, for heating it to an elevated temperature prior to the casting. The apparatus (20) includes the assembly (10) and a melting apparatus (4) for forming a molten charge of metal, the apparatus (40) including a heating arrangement (44) for heating a precursor of the molten charge to melt it.

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