

Title (en)

IMPROVED FOUNDRY MOULD FOR THE FORMATION OF TURBINE BLADE CERAMIC CORES

Title (de)

VERBESSERTE GIESSFORM ZUR HERSTELLUNG VON KERAMISCHEN KERNEN FÜR TURBINENSCHAUFELN

Title (fr)

MOULE DE FONDERIE AMÉLIORÉ POUR LA FORMATION DE NOYAUX CÉRAMIQUES D'AUBES DE TURBINE

Publication

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Application

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Abstract (en)

[origin: WO2020245538A1] The invention relates to a mould (1) for producing a ceramic core by injection of a ceramic composition, the mould (1) comprising a body (10) in which an imprint (20) of the foundry core is formed, the imprint (20) comprising a primary cavity (20A) and a secondary cavity (20B) connected by a plurality of segments (20C), the mould (1) being characterised in that it comprises a primary arm (30A) configured so as to allow an injection of ceramic composition into the primary cavity (20A), and a secondary arm (30B) configured so as to allow an injection of ceramic composition into the secondary cavity (20B), and in that the ratio between the volume of the primary cavity (20A) and the volume of the secondary cavity (20B) is equal, plus or minus 15%, to the ratio between the volume of the primary arm (30A) and the volume of the secondary arm (30B).

IPC 8 full level

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