

Title (en)

A MAGNETIC CORE WITH AN INTEGRATED LIQUID COOLING CHANNEL AND A METHOD TO MAKE THE SAME

Title (de)

MAGNETKERN MIT INTEGRIERTEM FLÜSSIGKEITSKÜHLKANAL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

NOYAU MAGNÉTIQUE AYANT UN CANAL DE REFROIDISSEMENT PAR LIQUIDE INTÉGRÉ ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Priority

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Abstract (en)

The present invention concerns a magnetic core with an integrated liquid cooling channel and a method to make the same. The method comprises the steps of:- inserting a part of a soluble material that have a shape that corresponds to a liquid cooling channel in a mold, the part of the soluble material having an inner channel,- pouring a mix of magnetic powder, binder and additives in the mold.- pressing the mix of magnetic powder, binder and additives,- curing the pressed mix of magnetic powder, binder and additives,- injecting a solvent in the inner channel in order to dissolve the soluble material.

IPC 8 full level

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Citation (search report)

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