

Title (en)

COOLING ELEMENT AND METHOD FOR MANUFACTURING A COOLING ELEMENT FOR COOLING OF AT LEAST ONE ELECTRIC POWER COMPONENT

Title (de)

KÜHLELEMENT UND VERFAHREN ZUR HERSTELLUNG EINES KÜHLELEMENTS ZUM KÜHLEN ZUMINDEST EINES ELEKTRONISCHEN LEISTUNGSBAUELEMENTS

Title (fr)

ELEMENT DE REFROIDISSEMENT ET PROCEDE DE FABRICATION D'UN ELEMENT DE REFROIDISSEMENT CON U POUR REFROIDIR AU MOINS UN COMPOSANT ELECTRIQUE

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Application

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Priority

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Abstract (en)

[origin: WO0004583A1] Cooling element and method for manufacturing a cooling element for cooling of at least one electric power component, which cooling element comprises a cooling body made of copper with at least one cooling channel for a liquid coolant. The cooling channel comprises a cooling pipe, made of a low oxidising metal, which is embedded in the cooling body. During manufacturing the cooling pipe is brought into a given shape, placed in its final position in a manufacturing mould for the cooling body, the material for the cooling body is brought into the mould around the cooling pipe and the cooling pipe is embedded in the cooling body during manufacture of the cooling body. The cooling element may be arranged between semiconductor components being part of a semiconductor valve in a converter station or in a station for Static Var Compensation (SVC).

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