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(54) **PREFORMED COIL FOR AN ELECTRIC MACHINE HAVING A PERFORATED INSULATING BODY AND METHOD OF MAKING SAME**

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(57) **ABSTRACT**

A coil for an electric machine including a conductive strand having a first end, a second end, and a plurality of windings between the first and second ends and an electric insulating body within which the conductive strand is at least partially encased, wherein at least a portion of the insulating body includes perforations that allow a coolant to penetrate into the insulating body to cool the coil during use of the electric machine. A method of making the coil includes molding or printing the insulating body about the conductive strand so as to have perforations therein.