

Title (en)  
HOSE HAVING A LOW PERMEATION RATE, IN PARTICULAR A HOSE FOR A HIGH TEMPERATURE COOLANT, AND METHOD FOR PRODUCING SAME

Title (de)  
SCHLAUCH MIT NIEDRIGER PERMEATIONSRATE, INSBESONDERE EIN HOCHTEMPERATURKÄLTEMITTELSCHLAUCH, UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
TUYAU À FAIBLE VITESSE DE PERMÉATION, EN PARTICULIER TUYAU POUR FLUIDE FRIGORIGÈNE HAUTE TEMPÉRATURE, ET PROCÉDÉ DE FABRICATION DUDIT TUYAU À FAIBLE VITESSE DE PERMÉATION

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Abstract (en)  
[origin: WO2012028381A1] The invention relates to a hose (1) having a low permeation rate, in particular a hose for a high temperature coolant, comprising at least the following layer configuration: a barrier layer (2) in the form of monofilm or multilayer film made of a polymer material; an inner layer (3) that is placed on top of the barrier layer (2) and is made of a polymer material having elastic properties; a reinforcement (4) supported by the inner layer (3) made of threadlike material, and an outer layer (5) made of a polymer material having elastic properties, which protects against external influences. The hose (1) according to the invention is characterized in that the reinforcement (4) features a spiraled shape, specifically by forming at least two spiraled layers, wherein the area between two spiraled layers is free of an intermediate layer of a polymer material. In addition, the area between two spiraled layers is in particular free of a bonding agent. The invention further relates to a method for producing such a hose (1).

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See references of WO 2012028381A1

Citation (examination)  
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• DE 69902843 T2 20030116 - BRIDGESTONE CORP [JP]  
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