

Title (en)
COMPRESSOR UNIT AND USE OF A COOLING MEDIUM

Title (de)
VERDICHTEREINHEIT UND VERWENDUNG EINES KÜHLMEDIUMS

Title (fr)
UNITE DE COMPRESSION ET UTILISATION D'UN FLUIDE DE REFROIDISSEMENT

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Abstract (en)
[origin: WO2007110271A1] The invention relates to a compressor unit (1) for compressing a delivery medium (62), in particular for underwater operation, comprising a compressor (3) and an electric motor (2) which comprises a stator (16) and a rotor (15), wherein the stator (16) of the motor (2) is connected to a separate cooling means (40) and is cooled by means of the separate cooling means (40), which cooling means (40) has a cooling medium (56). The cooling of machines is particularly difficult in underwater operation on account of the poor accessibility and the imperative not to exchange materials with the surroundings. For the solution, it is proposed that the cooling medium (56) is a pentaerythrite tetracarboxylic acid ester.

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