

Title (en)

COOLING SYSTEM, AIR-CONDITIONING SYSTEM, MOTOR ASSEMBLY AND ASSOCIATED METHODS

Title (de)

KÜHLSYSTEM, KLIMAAANLAGE, MOTORANORDNUNG UND ZUGEHÖRIGE VERFAHREN

Title (fr)

SYSTEME DE REFROIDISSEMENT, SYSTEME DE CLIMATISATION, ENSEMBLE MOTEUR ET PROCEDES ASSOCIES

Publication

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Application

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Abstract (en)

[origin: CA3180531A1] The invention relates to a cooling system (1) comprising at least: - a Stirling heat pump (2) designed to cool an inlet gas (Ge) down to a cryogenic temperature so as to form a cryogenic liquid (L), - a primary electric motor (3), intended to put said Stirling heat pump (2) into operation, - a primary pump (4) intended to cause said cryogenic liquid (L) to circulate under pressure, and - a cooling means (5) intended to cool said primary electric motor (3) with the aid of the cryogenic liquid (L) output by said primary pump (4). - The invention is particularly suitable for the production of a cryogenic liquid and the applications thereof.

IPC 8 full level

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