

Title (en)

CASCADE COLD WATER GENERATION SYSTEM AND METHOD

Title (de)

KASKADENKALTWASSERERZEUGUNGSSYSTEM UND -VERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ DE PRODUCTION D'EAU FROIDE EN CASCADE

Publication

**EP 3169945 A1 20170524 (EN)**

Application

**EP 15763432 A 20150715**

Priority

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- TR 2015050036 W 20150715

Abstract (en)

[origin: WO2016010504A1] The present invention relates to a general purpose cold water and cold air production system and method especially used in vehicles. The inventive cascade cold water generation system essentially comprises at least one first cold volume which has a cooled water and air therein, at least one first vortex heat separator which separates the air going inside into two as cold and hot, at least one air pressure booster, at least one second cold volume which has a cooled water and air therein, at least one second vortex heat separator which separates the air going inside into two as cold and hot, at least one pump which pumps cold liquid into the first volume in order to create pressure difference between two volumes, at least one system through which the water is desired to be circulated, at least one pressure decrease valve which balances the pressure difference between two volumes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016010504A1

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