

Title (en)

LIQUID COOLING SYSTEM AND METHOD FOR COOLING AT LEAST ONE HEAT GENERATING COMPONENT

Title (de)

FLÜSSIGKEITSKÜHLUNGSSYSTEM UND VERFAHREN ZUR KÜHLUNG MINDESTENS EINER WÄRMEERZEUGUNGSKOMPONENTE

Title (fr)

SYSTÈME DE REFROIDISSEMENT PAR LIQUIDE ET PROCÉDÉ DE REFROIDISSEMENT D'AU MOINS UN COMPOSANT GÉNÉRATEUR DE CHALEUR

Publication

EP 2641035 A1 20130925 (EN)

Application

EP 12702541 A 20120206

Priority

EP 2012051938 W 20120206

Abstract (en)

[origin: US2013199208A1] A liquid cooling system for cooling at least one heat generating component, comprises a liquid loop in which liquid is arranged to be circulated, and arranged to be cooled by a first stage cooling unit, where the cold side of at least one Thermo Electric Cooling unit is arranged at a position situated downstream of the first stage cooling unit and upstream of the at least one heat generating component to be cooled by liquid, where the at least one Thermo Electric Cooling unit is arranged in its operative state to cool the liquid in order to provide for further cooling power when the cooling power of the first stage cooling unit is not sufficient.

IPC 8 full level

F25B 21/02 (2006.01)

CPC (source: EP US)

F25B 21/02 (2013.01 - EP US); **H01L 23/473** (2013.01 - EP US); **H05K 7/20218** (2013.01 - EP US); **F25B 2321/0252** (2013.01 - EP US); **F25B 2400/04** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

Citation (search report)

See references of WO 2013117212A1

Designated contracting state (EPC)

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US 2013199208 A1 20130808; CN 103348199 A 20131009; CN 103348199 B 20160113; EP 2641035 A1 20130925; WO 2013117212 A1 20130815

DOCDB simple family (application)

US 201213705967 A 20121205; CN 201280003467 A 20120206; EP 12702541 A 20120206; EP 2012051938 W 20120206