

Title (en)
AIR SEPARATION FACILITY, OPERATING METHOD AND CONTROL DEVICE

Title (de)
LUFTZERLEGUNGSANLAGE, BETRIEBSVERFAHREN UND STEUEREINRICHTUNG

Title (fr)
INSTALLATION DE DÉCOMPOSITION DE L'AIR, PROCÉDÉ DE FONCTIONNEMENT ET DISPOSITIF DE COMMANDE

Publication
EP 3124902 A1 20170201 (DE)

Application
EP 16001509 A 20160707

Priority
EP 15002236 A 20150728

Abstract (en)
[origin: US2017030635A1] An air fractionation plant in which a cooling water circuit having a recooling apparatus is provided for cooling compressed air, where the recooling apparatus is configured for cooling cooling water using cooling air. The recooling apparatus is configured so as to cool the cooling water, at least at a wet bulb temperature of the cooling air of more than 289 K, to a temperature which is not more than 3 K above the wet bulb temperature. A corresponding operating method and a control facility are likewise provided.

Abstract (de)
Die Erfindung betrifft eine Luftzerlegungsanlage (100), in der zur Kühlung verdichteter Luft ein Kühlwasserkreislauf (10) mit einem Rückkühlwerk (11) bereitgestellt ist, wobei das Rückkühlwerk (11) dazu eingerichtet ist, Kühlwasser unter Verwendung von Kühlluft abzukühlen. Das Rückkühlwerk (11) ist derart ausgebildet, dass es zumindest bei einer Feuchtkugeltemperatur der Kühlluft von mehr als 289 K das Kühlwasser auf eine Temperatur abkühlt, die höchstens 3 K oberhalb der Feuchtkugeltemperatur liegt. Ein entsprechendes Betriebsverfahren und eine Steuereinrichtung sind ebenfalls Gegenstand der Erfindung.

IPC 8 full level
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Citation (applicant)
• EP 0644390 A1 19950322 - AIR LIQUIDE [FR]
• JP S5885093 A 19830521 - HITACHI LTD, et al
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Citation (search report)
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• [A] JP S6470635 A 19890316 - NEC CORP
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