

Title (en)
PROCESS FOR UTILIZING OF MULTI STAGE COMPRESSORS INTERCOOLERS BLOWDOWN AS A COOLANT FOR PROCESS AIR

Title (de)
VERFAHREN ZUR VERWENDUNG DES MEHRSTUFIGEN KOMPRESSORZWISCHENKÜHLERABBLASENS ALS KÜHLMITTEL FÜR PROZESSLUFT

Title (fr)
PROCÉDÉ D'UTILISATION DE PURGE DE REFROIDISSEURS INTERMÉDIAIRES DE COMPRESSEURS À PLUSIEURS ÉTAGES COMME AGENT DE REFROIDISSEMENT POUR LE TRAITEMENT D'AIR

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Application
EP 18759398 A 20180725

Priority
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Abstract (en)
[origin: WO2019053525A1] A system and a method for processing air prior to separating components of the air are disclosed. The system comprises an air cooler, one or more compression stages operated in series, and one or more intercoolers installed between two adjacent compression stages. A blowdown storage tank is configured to collect water blowdown from one or more intercoolers and provide cooling medium to the air cooler. Atmospheric air is first sprayed by the water blowdown in the air cooler to form a cooled air stream. The cooled air stream is subsequently compressed in the one or more compression stages and cooled by the intercoolers between two adjacent compression stages. The water blowdown from one or more of the intercoolers is collected and recycled as the cooling medium to cool the atmospheric air before it enters the first compression stage.

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Citation (search report)
See references of WO 2019053525A1

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