

Title (en)

METHOD FOR OPERATING AT LEAST ONE AIR SEPARATION APPARATUS AND OXYGEN CONSUMPTION UNIT

Title (de)

VERFAHREN FÜR DEN BETRIEB VON MINDESTENS EINEM LUFTABSCHIEDER UND EINER SAUERSTOFFVERBRAUCHSEINHEIT

Title (fr)

PROCÉDÉ D'OPÉRATION D'AU MOINS UN APPAREIL DE SÉPARATION D'AIR ET D'UNE UNITÉ DE CONSOMMATION D'OXYGÈNE

Publication

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Application

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Priority

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- FR 2010051765 W 20100824

Abstract (en)

[origin: WO2011030035A2] In a method for operating a facility including at least two air separation apparatuses (1), a storage system (2), and a unit (3) consuming an oxygen-rich gas, the gas-consuming unit being capable of generating electricity according to the first step during which the cost of the electricity is greater than a first pricing threshold, the gas-consuming unit receives an amount of oxygen-rich gas, greater than a first consumption threshold, from the or at least some of the air separation apparatuses, the oxygen-rich gas partially consisting of the oxygen stored in the storage system, which is supplied by the air separation apparatus(es) during a second step, and partially consisting of the oxygen produced through distillation during the first step and according to the second step, during which the cost of the electricity is lower than the first pricing threshold, the second pricing threshold being less than the first pricing threshold. The gas-consuming unit consumes an amount of oxygen-rich gas below a second consumption threshold, air is separated in the or in at least one of apparatuses, and an oxygen-rich liquid is sent from at least two separation apparatuses to the storage system.

IPC 8 full level

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Citation (search report)

See references of WO 2011030035A2

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