

Title (en)

METHOD AND INTEGRATED DEVICE FOR SEPARATING AIR AND HEATING A GAS IN AIR ORIGINATING FROM AN AIR SEPARATION DEVICE

Title (de)

VERFAHREN UND INTEGRIERTE VORRICHTUNG ZUR TRENNUNG VON LUFT UND ZUR ERHITZUNG EINES GASES IN AUS EINER LUFTTRENNUNGSVORRICHTUNG STAMMENDER LUFT

Title (fr)

PROCEDE ET APPAREIL INTEGRES DE SEPARATION D'AIR ET DE CHAUFFAGE D'UN GAZ DE L'AIR PROVENANT D'UN APPAREIL DE SEPARATION D'AIR

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Application

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Abstract (en)

[origin: WO2011110775A2] The invention relates to an integrated device for separating air and heating a gas in the air resulting from said air separation, comprising: an air separation device (9); a heat exchanger (13, 43); a channel for conveying the gas in the air to the heat exchanger; and a channel for conveying water to the heat exchanger, the water-conveying channel being connected to the water inlet or water outlet of a water preheat exchanger (5) or a water deaerator (27). According to the invention, the preheat exchanger and/or the deaerator are connected to an oxy-combustion boiler (19) in order to convey water to and from the boiler, said boiler also being connected to the separation device in order to receive an oxygen-enriched gas (17).

IPC 8 full level

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Citation (search report)

See references of WO 2011110775A2

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