

Title (en)

PROCESS AND DEVICE FOR SEPARATING HYDROGEN FROM A GAS MIXTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABSCHIEDEN VON WASSERSTOFF AUS EINEM GASGEMISCH

Title (fr)

PROCEDE ET DISPOSITIF POUR SEPARER DE L'HYDROGENE D'UN MELANGE GAZEUX

Publication

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Application

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Abstract (en)

[origin: WO9710172A1] The invention relates to a process and a device for separating hydrogen from a gas mixture containing hydrogen, oxygen and a residue from an electric machine (1). First of all the oxygen is bonded to the hydrogen to form water and the water is separated, then the hydrogen is separated by bonding it in a solid body reactor (11). The device for implementing the process comprises a reactor (6) for bonding the oxygen to the hydrogen, a water separator (7, 8, 9) to separate the water and a solid body reactor (11). The process and device are especially suitable for treating a gas mixture from a hydrogen-cooled turbo-generator.

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IPC 8 full level

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