

Title (en)
METHOD FOR CONVERTING HYDROGENOUS GASEOUS FLOWS ARISING FROM CHEMICAL REACTOR UNITS USING HYDROGEN

Title (de)
VERFAHREN ZUR UMWANDLUNG VON WASSERSTOFFHALTIGEN GASSTRÖMEN AUS CHEMISCHEN REAKTOREINHEITEN UNTER VERWENDUNG VON WASSERSTOFF

Title (fr)
PROCEDE DE VALORISATION DES FLUX GAZEUX HYDROGENE ISSUS D UN ITES REACTIONNELLES CHIMIQUES METTANT EN OEUVRE DE L HYDROGE NE

Publication
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Application
EP 04805754 A 20041019

Priority
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Abstract (en)
[origin: US2008244972A1] The invention relates to a method for converting gaseous effluents based on hydrogen arising from at least two reactor units R 1 and R 2 consuming hydrogen. Said effluents have differing degrees of hydrogen purity. The different hydrogenous effluents are treated in a gas separation unit U for said different hydrogenous effluents, whereupon highly pure hydrogen can be obtained and can be used to feed an additional reactor unit R 3 . The unit U also produces a residual flow having a low degree of hydrogen purity which can be sent to the combustible gas network of the petrochemical installation.

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