

Title (en)

PROCESS FOR PRODUCING HYDROGEN AT DIFFERENT DEGREES OF PURITY IN A H2 PSA

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WASSERSTOFF MIT VERSCHIEDENEN REINHEITSGRADEN IN EINER H2-PSA-ANLAGE

Title (fr)

PROCÉDÉ DE PRODUCTION D'HYDROGÈNE À DIFFÉRENTS NIVEAUX DE PURETÉ PAR UN PSA H2

Publication

EP 2854990 A1 20150408 (FR)

Application

EP 13728465 A 20130523

Priority

- FR 1255147 A 20120604
- FR 2013051120 W 20130523

Abstract (en)

[origin: WO2013182774A1] Process for producing hydrogen from a gas mixture comprising hydrogen (H2), and at least one impurity to be removed using an H2 PSA unit comprising N adsorbers subjected to a pressure cycle of duration T with $N > 1$, comprising the following successive steps: a) said gas mixture is introduced into said unit, b) at least one first stream enriched in hydrogen having an average impurity content Ypd is extracted, c) at least one second stream enriched in hydrogen having an average impurity content of Yhp is extracted, d) at least one third stream enriched in hydrogen having an average impurity content Ypd' is extracted, with $Ypd > 3Yhp$ and $Ypd' > 3Yhp$.

IPC 8 full level

B01D 53/047 (2006.01); **B01D 53/04** (2006.01); **C01B 3/56** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2013182774A1

Designated contracting state (EPC)

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