

Title (en)  
APPARATUS, SYSTEM, AND METHOD FOR PROCESSING HYDROGEN GAS

Title (de)  
VORRICHTUNG, SYSTEM UND VERFAHREN ZUR VERARBEITUNG VON WASSERSTOFFGAS

Title (fr)  
APPAREIL, SYSTÈME, ET PROCÉDÉ DE TRAITEMENT DE GAZ D'HYDROGÈNE

Publication  
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Application  
**EP 08796626 A 20080725**

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Abstract (en)  
[origin: WO2009015328A1] An apparatus, system, and method are disclosed for processing a hydrogen gas stream comprising a housing, a condensing media, a mechanical filtration element, a coalescer element, and an outlet port. The housing comprises a heat- and pressure resistant material and has an internal chamber configured to receive a hydrogen gas stream. A condenser may cool the hydrogen gas stream to promote water condensation. The condensing media removes entrained liquid water from the hydrogen gas stream. The mechanical filtration element receives the hydrogen gas stream as the hydrogen gas stream exits the condensing media. The mechanical filtration element collects particulate matter from the hydrogen gas stream. The coalescer element receives the hydrogen gas stream as the hydrogen gas stream exits the mechanical filtration element. The coalesce element removes substantially all of the liquid water formed in the hydrogen gas stream.

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Citation (search report)  

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- See references of WO 2009015328A1

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