

Title (en)

RECOMBINER FOR EFFECTIVELY REMOVING HYDROGEN FROM AIR CONTAMINATED BY ACCIDENTS

Title (de)

REKOMBINATOR ZUM EFFEKTIVEN BESEITIGEN VON WASSERSTOFF AUS STÖRFALLATMOSPHÄREN

Title (fr)

RECOMBINEUR POUR ELIMINER EFFICACEMENT L'EAU PROVENANT D'ATMOSPHERES POLLUEES SUITE A UN ACCIDENT

Publication

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Application

EP 99963296 A 19991112

Priority

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- EP 9908733 W 19991112

Abstract (en)

[origin: DE19852954A1] The invention relates to a recombiner for removing hydrogen from air contaminated by accidents, which comprises a housing (10) which defines a longitudinal direction for a through-flow and at both ends, in the longitudinal direction, has at least one opening. Said recombiner further comprises at least one catalyst element (11) arranged inside the housing (10). The aim of the invention is to solve the technical problem of reacting in a controlled and efficient manner and at a wide range of concentrations both small and large quantities of hydrogen with the atmospheric oxygen present in the containment vessels. To this end the at least one catalyst element (11) is configured in modular form and filled with a porous substrate which is coated with a catalytic material. The catalyst element (11) at least partly fills the cross-section of the housing (10).

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G21C 19/317; **G21C 9/06**

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