

Title (en)

SOLID COMPOUNDS, SELF-SUSTAINING COMBUSTION HYDROGEN GENERATORS CONTAINING BORAZANE AND/OR POLYAMINOBORANE AND AT LEAST ONE INORGANIC OXIDANT, AND METHOD FOR GENERATING HYDROGEN

Title (de)

FESTSTOFFVERBINDUNGEN, SELBSTVERSORGENDE VERBRENNUNGSWASSERSTOFFGENERATOREN MIT BORAZAN UND/ODER POLYAMINOBORAN UND MINDESTENS EINEM ANORGANISCHEN OXIDANTIUM SOWIE VERFAHREN ZUR WASSERSTOFFHERSTELLUNG

Title (fr)

COMPOSES SOLIDES, GENERATEURS D'HYDROGENE PAR COMBUSTION AUTO-ENTRETEENUE, COMPRENANT DU BORAZANE ET/OU DU POLYAMINOBORANE ET AU MOINS UN OXYDANT INORGANIQUE; PROCEDE DE GENERATION D'HYDROGENE

Publication

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Application

EP 09745948 A 20090416

Priority

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Abstract (en)

[origin: WO2009138629A1] The present invention mainly relates to solid compounds capable of generating hydrogen by a self-sustaining combustion reaction. The composition thereof contains borazane and/or polyaminoborane and at least one inorganic oxidant, preferably selected from ammonium nitrates, alkaline nitrates, alkaline earth nitrates, metal nitrates, metal oxides, oxidants of the dinitramine family, and mixtures thereof. The invention also relates to the generation of hydrogen by the self-sustaining combustion of at least one such compound.

IPC 8 full level

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Citation (search report)

See references of WO 2009138629A1

Cited by

WO2014091128A1; WO2014091127A1; WO2014135790A2; WO2016062965A1

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