

Title (en)

HYDROGEN STORAGE BY MEANS OF LIQUID ORGANIC COMPOUNDS

Title (de)

WASSERSTOFFSPEICHERUNG MITTELS FLÜSSIGER ORGANISCHER VERBINDUNGEN

Title (fr)

STOCKAGE D'HYDROGÈNE AU MOYEN DE COMPOSÉS LIQUIDES ORGANIQUES

Publication

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Application

EP 21802391 A 20211007

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Abstract (en)

[origin: WO2022074336A1] The present invention relates to the use of a formulation that is liquid at room temperature and comprises at least a mixture of benzene, toluene and xylene, for binding and releasing hydrogen in at least one hydrogenation/dehydrogenation cycle of said formulation. The invention also relates to the use of said formulation for transporting and handling hydrogen derived from the steam cracking of petroleum products, by-product hydrogen derived from a chemical reaction, such as the electrolysis of salt, or hydrogen derived from the electrolysis of water.

IPC 8 full level

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