

Title (en)
HYDROGEN STORAGE MATERIAL

Title (de)
WASSERSTOFFSPEICHERMATERIAL

Title (fr)
MATIÈRE DE STOCKAGE D'HYDROGÈNE

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Application
EP 20836489 A 20200702

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Abstract (en)
[origin: WO2021003520A1] The present invention relates to hydrogen storage. In particular, the present invention relates to a method of preparing pore-containing carbon nitride tubes, the method comprising hydrothermally treating melamine by subjecting melamine in contact with water to a temperature of from about 100 °C to about 300 °C; and calcining the hydrothermally treated melamine in a sealed vessel at a temperature of from about 500 °C to about 600 °C. Pore containing carbon nitride tubes prepared by the method and uses of the carbon nitride tubes to absorb and desorb hydrogen and as a hydrogen storage material are also described.

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Citation (search report)
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• See references of WO 2021003520A1

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