

Title (en)
DEVICE FOR TRAPPING HYDROGEN

Title (de)
VORRICHTUNG ZUM EINFANGEN VON WASSERSTOFF

Title (fr)
DISPOSITIF POUR PIEGER L'HYDROGENE

Publication
EP 3980707 A1 20220413 (FR)

Application
EP 20740378 A 20200603

Priority
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Abstract (en)
[origin: WO2020245542A1] Device for degassing liquid metal comprising an enclosure containing a bath of liquid metal, a device for circulating a gas through a purification chamber and in that the purification chamber comprises a getter material configured to trap the dihydrogen of the circulating gas. Method for degassing a bath of liquid metal in order to reduce the hydrogen concentration of the liquid metal, comprising the following steps a) producing a bath of liquid metal, preferably an aluminum alloy, b) circulating a gas, c) exchanging hydrogen from the circulating gas with the liquid metal so that the hydrogen dissolved in the bath of liquid metal diffuses into the circulating gas and enriches the circulating gas in dihydrogen, d) purifying the circulating gas enriched in dihydrogen in a purification chamber comprising a getter material configured to trap the dihydrogen of the circulating gas.

IPC 8 full level
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