

Title (en)

CLAMPING DEVICE FOR AN ELECTROCHEMICAL STACK, AND ASSEMBLY FORMED BY THE CLAMPING DEVICE AND THE ELECTROCHEMICAL STACK

Title (de)

SPANNVORRICHTUNG FÜR EINEN ELEKTROCHEMISCHEN STAPEL UND ANORDNUNG AUS DER SPANNVORRICHTUNG UND DEM ELEKTROCHEMISCHEN STAPEL

Title (fr)

DISPOSITIF DE SERRAGE POUR UN EMPILEMENT ELECTROCHIMIQUE, ET ASSEMBLAGE FORME PAR LE DISPOSITIF DE SERRAGE ET L'EMPILEMENT ELECTROCHIMIQUE

Publication

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Application

EP 21815572 A 20211105

Priority

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Abstract (en)

[origin: WO2022101569A1] The invention relates to a clamping device (400) for an electrochemical stack (200), said device comprising: an upper clamping plate (410) and a lower clamping plate (420), each facing the other by a lower inner face (420b) and an upper inner face (420a) thereof, respectively; a unitary spring member (500) that has an axis of revolution XX' and consists of an assembly, at a hub (503), of two spring washers (501, 502) of generally frusto-conical shape, said spring member (500) being configured to clamp the two clamping plates against the electrochemical stack (200) clamped between said clamping plates, the spring member incorporating a fluid circuit formed in the volume of both of the two spring washers; and a retaining means (600) for maintaining the clamping force applied by the spring member to the clamping plates.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022101569A1

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