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(54) Title of the Invention: **Method for fabrication of electrochemical energy converter and the electrochemical energy converter**
Abstract Title: **Method for fabrication of electrochemical energy converter and the electrochemical energy converter**

(57) The method for fabrication of the electrochemical energy converter characterised in that, cermet composition (2A) (2B) is applied on both sides of the central ceramic plate (1), wherein on both sides of the plate in the cermet composition (2A), (2B), channels (3A), (3B) are made, then the channels (3A), (3B) on both sides of the plate are covered with cermet composition layers (4A), (4B). Afterwards, both sides of the ceramic structure made in such a way are overlaid with conductive structures (5A), (5B) and then with subsequent layers of the cermet composition (6A), (6B) containing nickel, then both sides of the ceramic structure prepared in a such way are subsequently overlaid with: layers constituting the solid electrolyte (7A), (7B), layers constituting electrodes (8A), (8B) and contact layers (9A), (9B). The electrochemical energy converter has a flat layered ceramic base whose core is constituted by the central ceramic plate (D), permanently bonded with porous cermet layers (AN1). (AN2) in which the fuel distribution channels (3A), (3B) have been made. The ceramic base made in such a way has on both sides ceramic layers of solid electrolyte (7A), (7B), which in turn have been covered on a part of their surface with electrode layers (8A), (8B), which in turn have been covered on a part of their surface with contact layers (9A), (9B).

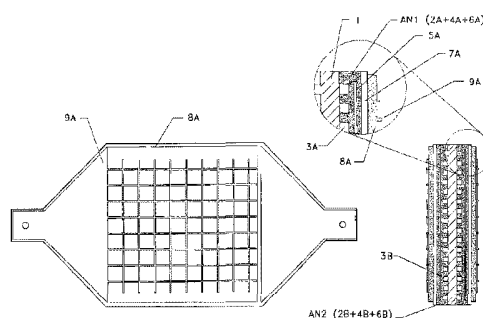


Fig. 2