



(12) Patent specification

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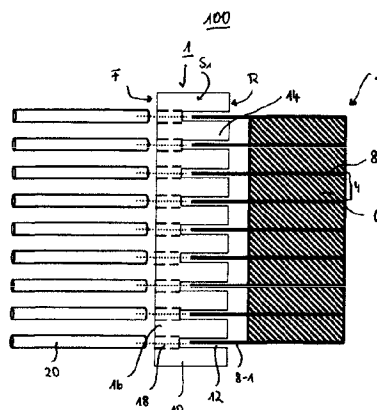
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 (54) Title: Electric connector for fuel cell stack
 (56) Cited documents: ---
 (57) Abstract:

Electric connector assembly (1) for electrically contacting at least one bipolar plate (8) of a fuel cell stack (2) comprising at least a support structure (10) and at least one contact pin (20), which is adapted to electrically contacting the bipolar plate (8) and is supported by the support structure (10),

characterized in that

the support structure (10) comprises at least a rear face (R) which is adapted to face the fuel cell stack (2), a front face (F) being opposite to the rear face (R), and first and second side faces (S₁; S₂), wherein the rear face (R) comprises at least one bipolar plate housing slit (12) which extends from the first side face (S₁) to the second side face (S₂), and which is adapted to accommodate at least partly the bipolar plate (8), thereby defining a comb-shaped support structure (10) with at least two teeth (14) extend from a support basis (16), which are separated by the intermediately arranged bipolar plate housing slit (12), and wherein the support structure (10) further comprises at least one contact pin accommodation opening (18) having a size which is adapted to accommodate the contact pin (20).



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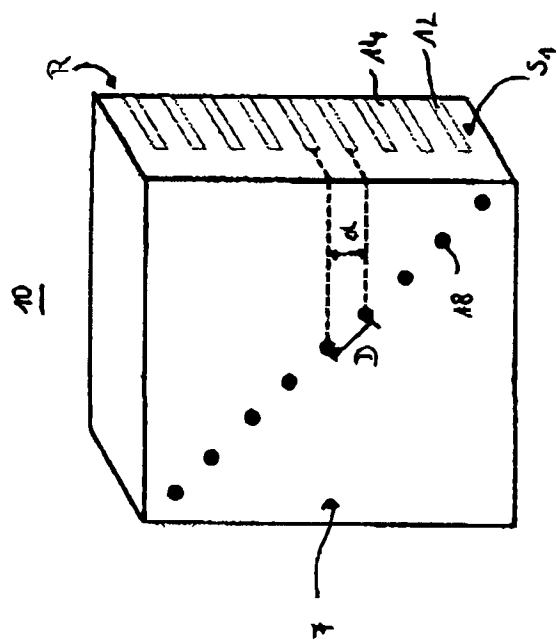


Fig. 3

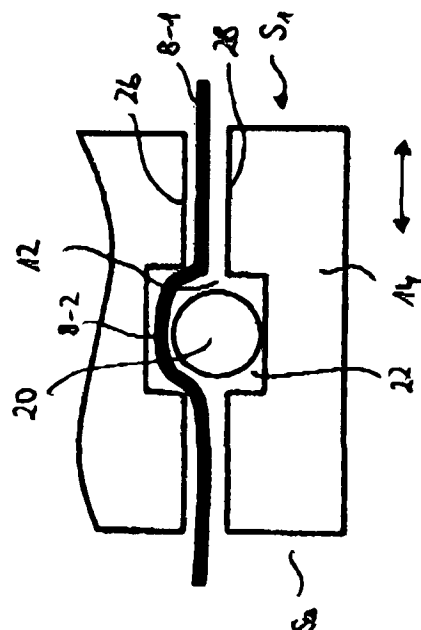


Fig. 5

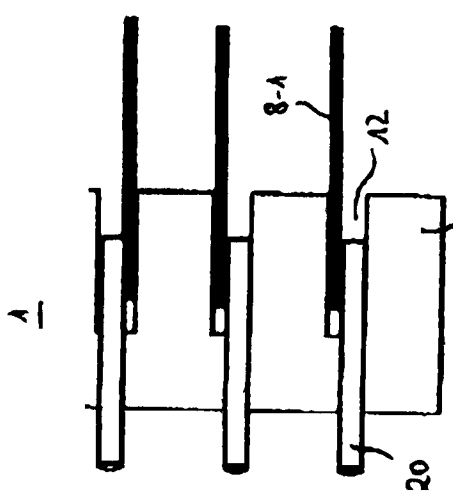


Fig. 2

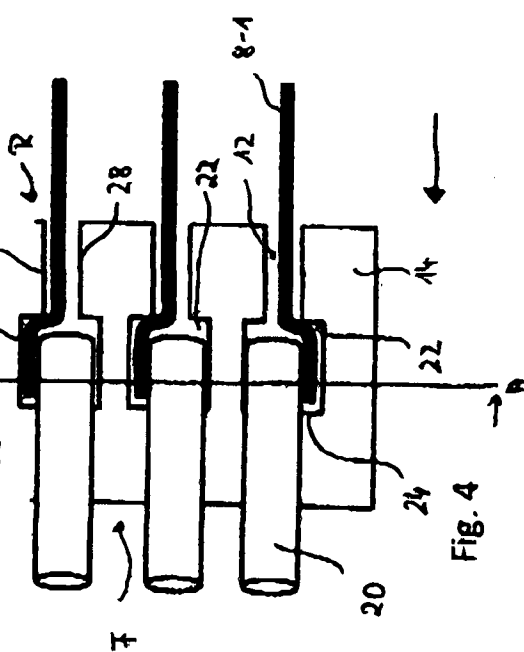


Fig. 4

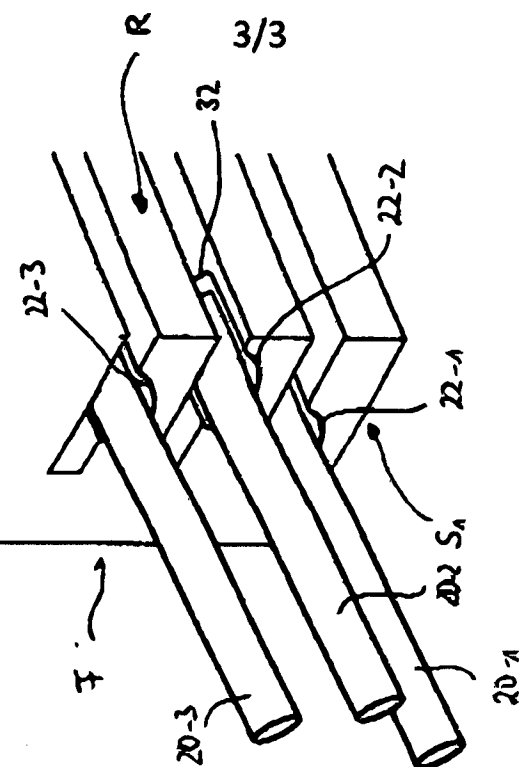


Fig. 7

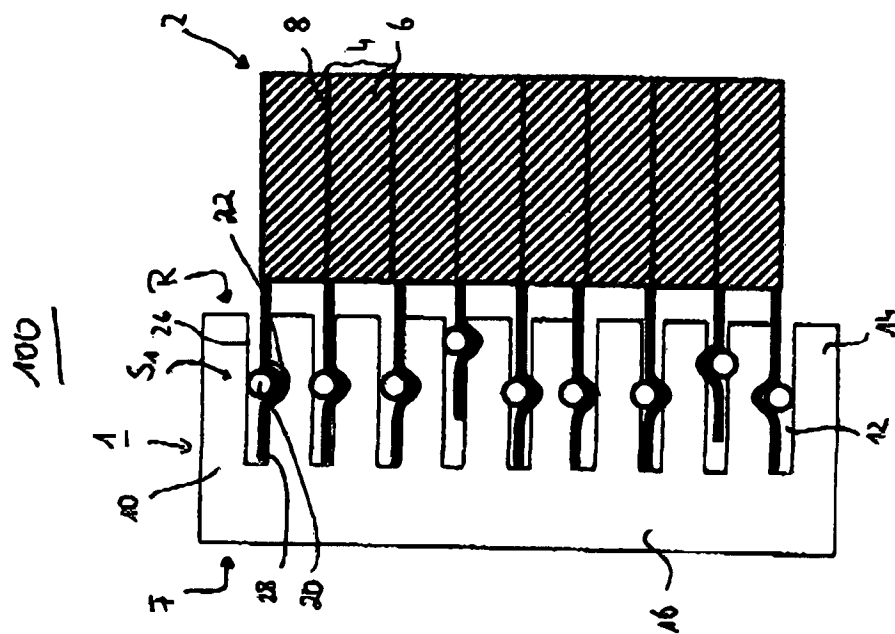


Fig. 6