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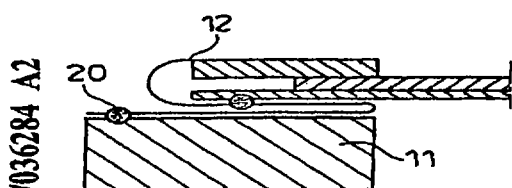
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(54) Title: GAS DIFFUSION ELECTRODE SUPPORT STRUCTURE

(54) Bezeichnung: GASDIFFUSIONSELEKTRODEN-TRÄGERSTRUKTUR



(57) Abstract: The invention relates to a gas diffusion electrode support structure that receives a gas diffusion electrode (10) for an electrochemical reactor. Said support structure has a base structure (8) to whose fin (11) a connecting element is connected via a weld seam (20) in an electrically conductive way. The connecting element is configured as a bent structure and encloses an edge area (15) of the gas diffusion electrode (10). The edge area (15) of the gas diffusion electrode (10), in an external section (32), is not coated, and in an interior section (33) is provided with an electrochemically active coating.

(57) Zusammenfassung: Eine Gasdiffusionselektroden-Trägerstruktur zur Aufnahme einer Gasdiffusionselektrode (10) für einen elektrochemischen Reaktionsapparat weist eine Grundstruktur (8) auf, an deren Steg (11) ein Verbindungselement über eine Schweißnaht (20) elektrisch leitfähig verbunden ist. Das Verbindungselement ist falzartig ausgebildet und umschließt einen Randbereich (15) der Gasdiffusionselektrode (10). Hierbei ist der Randbereich (15) der Gasdiffusionselektrode (10) in einem äußeren Teil (32) beschichtungslos und in einem inneren Teil (33) mit einer elektrochemisch aktiven Beschichtung versehen.

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