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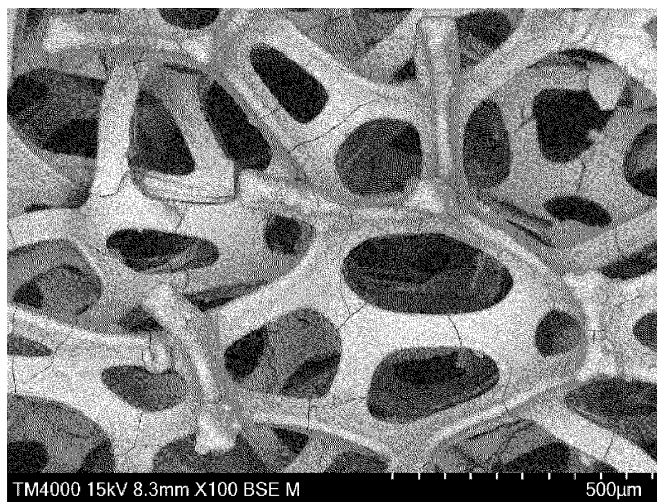


Fig. 1

(57) Abstract: The invention concerns a method of electrolysing water using an electrolyser comprising an anode; a cathode and optionally a separator; wherein at least one of the cathode and the separator comprises a substrate and a coating, and the coating comprises 9.5 to 35 wt% chromium; 10 to 75 wt% cobalt; and 10 to 60 wt% of one or more further transition metals and/or one or more non-metallic elements selected from C, P, N and B.

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