

Title (en)
PROCESS FOR MANUFACTURING POROUS ELECTRODES

Publication
EP 0321711 B1 19920415 (DE)

Application
EP 88119445 A 19881123

Priority
DE 3743354 A 19871221

Abstract (en)
[origin: US4857153A] Porous electrodes are obtained by a method in which a layer of a powder mixture comprising (a) finely divided carbonyl metal having a low bulk density and high frictional resistance and (b) a pulverulent component which is catalytically active or can be activated by alkali treatment, in an a/b ratio of about 3:1 to 1:3, is applied by rolling to one or both sides of a framework-forming metallic substrate having adhesion-promoting surface roughness, and said layer is consolidated by electrodeposition of metal, after which activation is finally effected if necessary. Superficial oxidation of the powder particles, which decreases from the outer surface of the layer toward the support and gradually dissolves in the electroplating bath, promotes extensive consolidation of the layer by electrodeposition.

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C25B 11/00

IPC 8 full level
C25B 11/00 (2006.01); **C25B 11/03** (2006.01); **C25B 11/04** (2006.01); **C25B 11/06** (2006.01)

CPC (source: EP US)
C25B 11/031 (2021.01 - EP US); **C25B 11/091** (2021.01 - EP US)

Cited by
US2022293964A1; US8661994B2

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EP 0321711 A1 19890628; EP 0321711 B1 19920415; CA 1330316 C 19940621; DE 3743354 A1 19890629; DE 3743354 C2 19890928; DE 3870184 D1 19920521; JP H01205089 A 19890817; NO 168901 B 19920106; NO 168901 C 19920415; NO 885566 D0 19881215; US 4857153 A 19890815

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