

Title (en)
DEVICE FOR ACTIVATING CONDUCTIVITY IN POROUS STRUCTURES

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON PÖROSEN LEITENDEN STRUKTUREN

Title (fr)
DISPOSITIF D'ACTIVATION CONDUCTRICE POUR STRUCTURES POREUSES

Publication
EP 1070325 A1 20010124 (FR)

Application
EP 99910601 A 19990408

Priority
• FR 9804547 A 19980410
• IB 9900618 W 19990408

Abstract (en)
[origin: FR2777210A1] The invention concerns the treatment of complex porous structures such as cross-linked foams, woven or nonwoven, to make them electrically conductive by depositing conductive polymers. The device enables, in a chemical reactor, to perform the activating treatment directly through non-reeled off blocks or rolls of porous structures, the treating fluids of the successive steps being made to circulate inside said blocks or rolls, via a perforated rotary mandrel whereon they are pressed. Said device enables to activate efficiently the structures, which may be metal-coated or not, and are particularly designed to be used as electrodes for liquid effluent electrolysis, of detectors and traps of organic or biological molecules, electrode supports for electrochemical generators, catalyst supports, filtering media, acoustic insulants, electromagnetic, nuclear and antistatic protection structures, heat exchangers and the like.

IPC 1-7
H01B 1/12; **C08J 9/40**

IPC 8 full level
D06B 5/08 (2006.01); **D06M 15/61** (2006.01); **H01B 1/12** (2006.01); **H01B 13/00** (2006.01); **C25D 5/56** (2006.01)

CPC (source: EP US)
H01B 1/12 (2013.01 - EP US); **C25D 5/56** (2013.01 - EP US)

Designated contracting state (EPC)
BE CH DE ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)
FR 2777210 A1 19991015; DE 69918423 D1 20040805; DE 69918423 T2 20050714; EP 1070325 A1 20010124; EP 1070325 B1 20040630; ES 2223166 T3 20050216; HK 1034352 A1 20011019; JP 2002511635 A 20020416; JP 4393704 B2 20100106; US 6878355 B1 20050412; WO 9953503 A1 19991021

DOCDB simple family (application)
FR 9804547 A 19980410; DE 69918423 T 19990408; EP 99910601 A 19990408; ES 99910601 T 19990408; HK 01104987 A 20010717; IB 9900618 W 19990408; JP 2000543974 A 19990408; US 68578000 A 20001010