

Title (en)  
ELECTROLYSIS DEVICE

Title (de)  
ELEKTROLYSEVORRICHTUNG

Title (fr)  
DISPOSITIF D'ELECTROLYSE

Publication  
**EP 0932708 A1 19990804 (DE)**

Application  
**EP 98941241 A 19980626**

Priority  
• DE 9801770 W 19980626  
• DE 19729429 A 19970709

Abstract (en)  
[origin: DE19729429C1] An electrolysis device (1) has a number of membrane electrolytic cells (2) having each a membrane (4) provided on both sides with a contact layer. This device should be compact, suitable for relatively high hydrogen production rates and therefore particularly flexible to use. According to the invention, a contact plate (5) is arranged on each contact layer and each contact plate (5) has a channel system (14) for the transport of water and/or gas on its surface oriented towards the associated contact layer.

IPC 1-7  
**C25B 9/00**; **C25B 15/08**

IPC 8 full level  
**C25B 9/00** (2006.01); **C25B 9/20** (2006.01); **C25B 15/08** (2006.01)

CPC (source: EP US)  
**C25B 9/77** (2021.01 - EP US); **C25B 15/08** (2013.01 - EP US)

Citation (search report)  
See references of WO 9902761A1

Designated contracting state (EPC)  
CH DE ES FR GB LI SE

DOCDB simple family (publication)  
**DE 19729429 C1 19990114**; DE 59802319 D1 20020117; EP 0932708 A1 19990804; EP 0932708 B1 20011205; ES 2167922 T3 20020516; JP 2001500194 A 20010109; JP 3748896 B2 20060222; TW 495562 B 20020721; US RE38066 E 20030408; WO 9902761 A1 19990121

DOCDB simple family (application)  
**DE 19729429 A 19970709**; DE 59802319 T 19980626; DE 9801770 W 19980626; EP 98941241 A 19980626; ES 98941241 T 19980626; JP 50797399 A 19980626; TW 87107792 A 19980520; US 76123701 A 20010117