

Title (en)
CONSTRUCTIONAL UNIT FOR BIPOLAR ELECTROLYSERS

Title (de)
KONSTRUKTIONSEINHEIT FÜR BIPOLARE ELEKTROLYSEURE

Title (fr)
UNITE STRUCTURELLE POUR ELECTROLYSEURS BIPOLAIRES

Publication
EP 1673491 A2 20060628 (DE)

Application
EP 04765737 A 20041001

Priority
• EP 2004010966 W 20041001
• DE 10347703 A 20031014

Abstract (en)
[origin: US2005077068A1] The invention describes a structural unit for bipolar electrolyzers according to the filter press technique, at least comprising a first half-shell, a second half-shell and a frame-shaped carrier element, in which at least one of the half-shells contains plastics material, the two half-shells are arranged within the carrier element so that the rear wall of the first half-shell and the rear wall of the second half-shell abut one another, the carrier element as well as the two half-shells have at least two openings for the inflow and outflow of electrolyte and/or gas, and the two half-shells have passages lying above one another in the floor for accommodating at least one electrically conducting connecting element, to which is secured in the first half-shell a first electrode and in the second half-shell a second electrode.

IPC 1-7
C25B 9/00; **C25B 9/06**; **C25B 1/26**

IPC 8 full level
C25B 1/26 (2006.01); **C25B 9/17** (2021.01)

CPC (source: EP US)
C25B 1/26 (2013.01 - EP US); **C25B 9/19** (2021.01 - EP US); **C25B 11/036** (2021.01 - EP US)

Citation (search report)
See references of WO 2005038090A2

Designated contracting state (EPC)
BE DE ES IT NL

DOCDB simple family (publication)
US 2005077068 A1 20050414; CN 1867701 A 20061122; DE 10347703 A1 20050512; EP 1673491 A2 20060628; JP 2007508456 A 20070405; TW 200523403 A 20050716; WO 2005038090 A2 20050428; WO 2005038090 A3 20050707

DOCDB simple family (application)
US 96351104 A 20041014; CN 200480030169 A 20041001; DE 10347703 A 20031014; EP 04765737 A 20041001; EP 2004010966 W 20041001; JP 2006534633 A 20041001; TW 93130935 A 20041013