

Title (en)  
ELECTROCHEMICAL FLOW CELL

Title (de)  
ELEKTROCHEMISCHE DURCHFLUSSZELLE

Title (fr)  
CELLULE ELECTROCHIMIQUE A FLUX CONTINU

Publication  
**EP 0953151 A1 19991103 (DE)**

Application  
**EP 98905292 A 19980113**

Priority  
• DE 19701798 A 19970120  
• DE 19745423 A 19971016  
• EP 9800167 W 19980113

Abstract (en)  
[origin: WO9832008A1] The invention relates to electrochemical flow cells with thick-film sensors. According to the invention, an electrochemical flow cell comprises two electrodes situated at a distance from each other and a flow channel in between said two electrodes, which is connected to an inlet and an outlet. The spacer between the two electrodes is formed by an isolating layer manufactured by a thick-film technique, a flat opening in the isolating layer and the thickness of said isolating layer determining the internal volume of the flow channel. The electrodes are embodied on substrates and also manufactured by a thick-film technique. The cell is produced by gluing together two cell halves. Preferably the isolating layer can consist of a non-conductive SMD adhesive which simultaneously ensures adhesion.

IPC 1-7  
**G01N 27/28**

IPC 8 full level  
**G01N 27/403** (2006.01)

CPC (source: EP)  
**G01N 27/403** (2013.01)

Citation (search report)  
See references of WO 9832008A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9832008 A1 19980723**; CZ 257199 A3 19991215; EP 0953151 A1 19991103

DOCDB simple family (application)  
**EP 9800167 W 19980113**; CZ 257199 A 19980113; EP 98905292 A 19980113