

Title (en)
ELECTROCHEMICAL ANALYSIS PROCESS

Title (de)
VERFAHREN ZUR ELEKTROCHEMISCHEN ANALYSE

Title (fr)
PROCEDE D'ANALYSE ELECTROCHIMIQUE

Publication
EP 0717841 A1 19960626 (DE)

Application
EP 95924159 A 19950628

Priority
• DE 9500847 W 19950628
• DE 4424355 A 19940711

Abstract (en)
[origin: DE4424355A1] The invention relates to a process for the electrochemical analysis of solutions applicable, for example, to chemical analysis or for inspection purposes in the industrial and environmental field. Individual substances are obtained via their deposition on electrodes and subsequent detection in the deposits. Whereas, in prior art processes, all the substances to be detected are deposited on one electrode and detected in succession, the process of the invention makes use of a plurality of electrodes. The substances in the solution to be detected are simultaneously deposited on said electrodes in such a way that each electrode is covered with a different substance or mixture of substances. The deposited substances are then detected simultaneously at the individual electrodes. This markedly shortens the measuring time while the risk of false measurements owing to interactions between the substances to be detected on the electrodes is considerably reduced.

IPC 1-7
G01N 27/42; **G01N 27/403**; **G01N 27/416**

IPC 8 full level
G01N 27/403 (2006.01); **G01N 27/42** (2006.01)

CPC (source: EP US)
G01N 27/42 (2013.01 - EP US); **G01N 27/27** (2013.01 - EP US)

Citation (search report)
See references of WO 9601993A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 4424355 A1 19960118; **DE 4424355 C2 19960718**; EP 0717841 A1 19960626; US 5830343 A 19981103; WO 9601993 A1 19960125

DOCDB simple family (application)
DE 4424355 A 19940711; DE 9500847 W 19950628; EP 95924159 A 19950628; US 61362196 A 19960311