

Title (en)
A PROCESS AND A MEASURING CELL FOR THE COULOMETRIC DETERMINATION OF THE CONTENT OF A COMPONENT DISSOLVED IN WATER.

Title (de)
VERFAHREN UND MESSZELLE FÜR DIE COULOMETRISCHE DETERMINATION DES GEHALTS AN EINEM WASSERLÖSLICHEN BESTANDTEIL.

Title (fr)
PROCEDE DE DETERMINATION COULOMETRIQUE DE LA TENEUR D'UN COMPOSE EN SOLUTION AQUEUSE.

Publication
EP 0006910 A1 19800123 (EN)

Application
EP 78900118 A 19790327

Priority
SE 7710308 A 19770914

Abstract (en)
[origin: WO7900146A1] A process for the coulometric determination of the content of a component dissolved in water, e.g. oxygen gas in sea-water, and a coulometer cell for carrying out said process. The cell consists of an elongated central measuring cell (1) and two auxiliary cells (2) which are directly connected to each end of the measuring cell (1). Electrolysis is performed simultaneously in the measuring cell (1) and the auxiliary cells (2) under such conditions that the concentration of the dissolved component will decrease at the same rate in all there cell elements.

Abstract (fr)
Procede de determination coulometrique de la teneur d'un compose en solution aqueuse, par exemple, du gaz oxygene dans de l'eau de mer, et cellule coulometrique pour l'application de ce procede. La cellule comprend une cellule centrale de mesure, allongee (1) et deux cellules auxiliaires (2) directement connectees a chaque extremite de la cellule de mesure (1). L'electrolyse a lieu simultanement dans la cellule de mesure (1) et dans le cellules auxiliaires (2) dans des conditions telles que la concentration du compose dissout decroit selon un taux identique dans les trois cellules.

IPC 1-7
G01N 27/42

IPC 8 full level
G01N 27/42 (2006.01); **G01N 33/18** (2006.01)

CPC (source: EP)
G01N 27/423 (2013.01); **G01N 33/18** (2013.01); **G01N 33/1813** (2013.01)

Cited by
US5407952A

Designated contracting state (EPC)
FR

DOCDB simple family (publication)
WO 7900146 A1 19790322; EP 0006910 A1 19800123; FR 2455280 A1 19801121; GB 2023842 A 19800103; GB 2023842 B 19820519; HK 28184 A 19840406; SE 407983 B 19790430; SE 7710308 L 19790315; SG 58982 G 19840727

DOCDB simple family (application)
SE 7800043 W 19780914; EP 78900118 A 19790327; FR 8001480 A 19800121; GB 7911769 A 19780914; HK 28184 A 19840329; SE 7710308 A 19770914; SG 58982 A 19821117