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GHS 158981

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 4 :

G01N 21/62 21/76

A1

(11) International Publication Number:

WO 89/10551

(43) International Publication Date: 2 November 1989 (02.11.89)

(21) International Application Number: PCT/US89/01814

(22) International Filing Date: 28 April 1989 (28.04.89)

(30) Priority data:

188,258

29 April 1988 (29.04.88)

US

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(81) Designated States: AT (European patent), AU, BE (European patent), CH (European patent), DE (European patent), DK, FI, FR (European patent), GB (European patent), IT (European patent), JP, KR, LU (European patent), NL (European patent), NO, SE (European patent).

Published

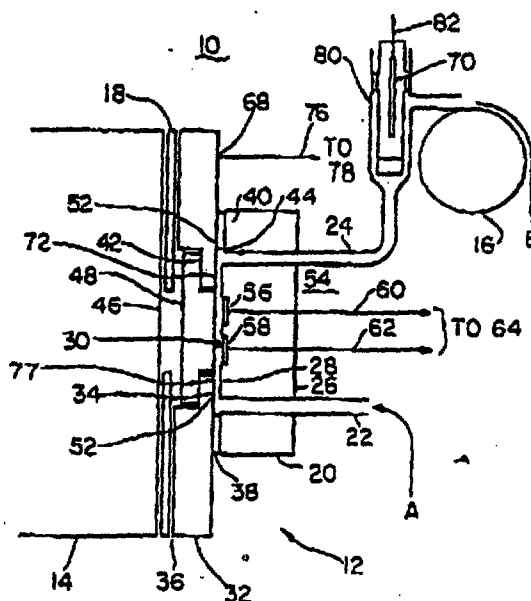
With international search report.

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(54) Title: METHOD AND APPARATUS FOR CONDUCTING ELECTROCHEMILUMINESCENCE MEASUREMENTS



(57) Abstract

A method and apparatus (10) for conducting electrochemiluminescence (ECL) measurements which control the initial conditions relating to the surface state of a triggering working electrode (54) by reproducibly creating and maintaining a favorable surface condition so as to enhance the precision and detection limit of the measurements. Assays are performed with ECL detection in a flow-through cell (12) environment and the precision and detection limit are enhanced by alternating initialization and measurement steps.