

Title (en)

REFERENCE ELECTRODE SYSTEM FOR A POTENTIOMETRIC SENSOR AND POTENTIOMETRIC SENSOR COMPRISING SUCH A REFERENCE ELECTRODE SYSTEM

Title (de)

REFERENZELEKTRODENANORDNUNG FÜR EINEN POTENTIOMETRISCHEN SENSOR UND POTENTIOMETRISCHER SENSOR MIT REFERENZELEKTRODENANORDNUNG

Title (fr)

SYSTEME D'ELECTRODE DE REFERENCE POUR CAPTEUR POTENTIOMETRIQUE, ET CAPTEUR POTENTIOMETRIQUE COMPRENANT UN TEL SYSTEME D'ELECTRODE DE REFERENCE

Publication

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Application

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Abstract (en)

[origin: WO2007023031A1] A reference electrode system comprises a container (54), filled with a reference electrolyte; an electric conductor (55) which is in electrical contact to the reference electrolyte in the container for deriving a reference potential; and a salt bridge (56) in a wall of the container. The reference electrode system comprises a second container (58), the salt bridge (56) is arranged in a volume surrounded by the second container, and the second container has a first opening (59) and a second opening (60), both communicating with a volume outside the first and the second container. At least the first opening (59) communicates with a volume surrounding the reference electrode system. A single-rod measuring chain comprises a pH measuring cell and an inventive reference electrode system. A measuring cell glass tube (51) is at least partially surrounded by the first container (54) of the reference electrode system and the pH membrane (52) is disposed outside the second container (58).

IPC 8 full level

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