

Title (en)

DEVICE FOR MEASURING THE PARTIAL PRESSURE OF GASES DISSOLVED IN LIQUIDS

Title (de)

VORRICHTUNG ZUR MESSUNG DES PARTIALDRUCKES VON IN FLÜSSIGKEITEN GELÖSTEN GASEN

Title (fr)

DISPOSITIF POUR MESURER LA PRESSION PARTIELLE DE GAZ DISSOUS DANS DES LIQUIDES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9749985A1] The present invention relates to a device for measuring the partial pressure of gases dissolved in liquids. Said device contains (a) a measuring point (15) which is partially separated by a gas-permeable membrane (11) permeable to the gas to be determined; (b) a light emission source (6) for producing a light ray interacting with the liquid in the measuring point (15) and having a wave length which is absorbed by the gas to be determined; and (c) a measuring arrangement (7) for determining the light leaving the measuring point (15). Said device is characterised in that (d) the measuring point (15) is in contact with the interface of a photoconductive element (14), and (e) the light is guided through said element (14) in such a manner that total reflection thereof is reduced at the interface.

IPC 1-7

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IPC 8 full level

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