

Title (en)  
DC BIOPOTENTIAL SENSING ELECTRODE AND ELECTROCONDUCTIVE MEDIUM FOR USE THEREIN

Title (de)  
GLEICHSTROM-BIOPOTENTIAL-MESSELEKTRODE UND DAZU GEEIGNETES ELEKTRISCH LEITENDES MEDIUM

Title (fr)  
ELECTRODE DE DETECTION DE BIOPOTENTIEL CC ET MILIEU ELECTROCONDUCTEUR ASSOCIE

Publication  
**EP 0786958 A4 19990203 (EN)**

Application  
**EP 95936217 A 19951016**

Priority  

- US 9512525 W 19951016
- US 32508594 A 19941017
- US 50820695 A 19950727

Abstract (en)  
[origin: WO9611631A1] A DC biopotential sensing electrode assembly (106) is provided for an apparatus (10) for sensing DC biopotentials present at the skin of a subject. The electrodes (106) include an electroconductive medium (158) for transmitting ions from the skin which has a chloride content within a range of from 6-15 grams chloride ion per hundred grams of such medium. To reduce the corrosive effect of this electroconductive medium, each electrode includes only one metallic component (122, 144), and to provide an electrode with a low AC impedance, this metal is uniformly coated upon nonmetallic sensor (120) and terminal (142) bodies with a coating thickness within a range of from 0.5 to 1.5 mil. To pressure a complete electrical path through both the sensor and the terminal bodies, the nonmetallic portions (120, 142) are formed of conductive plastic.

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**A61B 5/04**

IPC 8 full level  
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CPC (source: EP)  
**A61B 5/05** (2013.01); **A61B 5/259** (2021.01); **A61B 2562/0215** (2017.07)

Citation (search report)  

- [PA] WO 9505772 A1 19950302 - MICRON MED PROD INC [US]
- [A] US 4570637 A 19860218 - GOMES ROBERT L [US], et al
- [A] DE 2802538 A1 19780727 - CARDIO TECH
- See references of WO 9611631A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9611631 A1 19960425**; AU 3824495 A 19960506; BR 9509370 A 19980707; CA 2202749 A1 19960425; CA 2202749 C 20030527; EP 0786958 A1 19970806; EP 0786958 A4 19990203; IL 115524 A0 19960119; IL 115524 A 20010724; JP H10508227 A 19980818; MX 9702807 A 19980228

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**US 9512525 W 19951016**; AU 3824495 A 19951016; BR 9509370 A 19951016; CA 2202749 A 19951016; EP 95936217 A 19951016; IL 11552495 A 19951005; JP 51325395 A 19951016; MX 9702807 A 19951016