

Title (en)

NONINVASIVE GLUCOSE MONITOR

Title (de)

GERÄT ZUR UNBLUTIGEN ÜBERWACHUNG DES GLUKOSE-GEHALTES

Title (fr)

GLUCOMETRE NON INVASIF

Publication

**EP 0708615 A4 19961016 (EN)**

Application

**EP 94920190 A 19940614**

Priority

- US 9406684 W 19940614
- US 9297593 A 19930716

Abstract (en)

[origin: WO9502357A1] This invention is a noninvasive glucose monitoring apparatus and method that does not rely upon heat, electricity or chemicals to collect glucose from interstitial fluid across the patient's skin. Moreover, the method and apparatus monitor blood glucose in real time, i.e., in a time period short enough to enable a diabetic to take appropriate action to correct blood glucose levels. A collection device (10) comprising a reservoir (12) containing a glucose collection medium such as water is placed against the stratum corneum of the patient's skin for a predetermined period of time. At least a portion of the glucose collection medium is removed from the reservoir at the end of the predetermined time and analyzed for glucose concentration.

IPC 1-7

**A61B 5/00**

IPC 8 full level

**G01N 33/66** (2006.01); **A61B 5/00** (2006.01)

CPC (source: EP)

**A61B 5/14532** (2013.01)

Citation (search report)

- [X] US 4595011 A 19860617 - PHILLIPS MICHAEL [US]
- [X] US 5050604 A 19910924 - RESHEF ISRAEL [IL], et al
- [X] US 5140985 A 19920825 - SCHROEDER JON M [US], et al
- [DA] US 5036861 A 19910806 - SEMBROWICH WALTER L [US], et al
- See references of WO 9502357A1

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DOCDB simple family (publication)

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