Abstract: A sensor (20) is disclosed, for implantation within a blood vessel to monitor an analyte in the blood. In one embodiment, the analyte is glucose. A signal indicative of glucose level is transmitted to an external receiver (34). The signal may be used to drive an internal or externally worn insulin pump (46). Methods are also disclosed.
A. CLASSIFICATION OF SUBJECT MATTER

IPC(?) : A61B 05/00
US Cl. : 600/347;
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 600/347, 348:

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<th>Category</th>
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<tr>
<td>X</td>
<td>US, 5,411,551, A (Winston et al) 02 May 1995, see entire document.</td>
<td>1-4, 8-11</td>
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<td>Y</td>
<td>US, 6053873, A (Govari et al) 25 April 2000, see entire document.</td>
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<td>US 4,890,620, A (Gough) 02 January 1990, see entire document.</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search

02 JULY 2001

Name and mailing address of the ISA/US
Commissions of Patents and Trademarks
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Date of mailing of the international search report

31 AUG 2001

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