

Title (en)

METABOLIC SENSOR FOR A DRUG DELIVERY SYSTEM.

Title (de)

METABOLISCHER SENSOR FÜR ARZNEIMITTELVVERABREICHUNG.

Title (fr)

DETECTEUR METABOLIQUE POUR UN SYSTEME D'ADMINISTRATION DE MEDICAMENTS.

Publication

EP 0374140 A4 19900627 (EN)

Application

EP 87905892 A 19870828

Priority

US 8702175 W 19870828

Abstract (en)

[origin: WO8901794A1] A system for the measurement of a metabolite in a physiological fluid is disclosed which comprises a catheter (4) which includes an internal metabolite sensor (7) downstream from a semipermeable region (8) where dynamic equilibrium is attained between the external metabolite and a higher concentration of the same metabolite contained in an infusate which is flowed through the catheter (4). The changing metabolite concentration also can open and close a chemical valve (10) to control the co-delivery of a drug through the catheter (4).

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A61M 5/00; **A61M 25/00**

IPC 8 full level

A61M 5/00 (2006.01); **A61L 29/00** (2006.01); **G01N 33/483** (2006.01)

CPC (source: EP)

G01N 33/49 (2013.01); **A61M 2025/0166** (2013.01)

Citation (search report)

- [A] EP 0134758 A2 19850320 - BOMBARDIERI GIUSEPPE
- [A] US 4253456 A 19810303 - SCHINDLER JOHANNES G, et al
- [A] FR 2337341 A1 19770729 - GAMBRO AG [CH]
- [A] EP 0209705 A2 19870128 - DRUMMOND SCIENT CO [US]
- [AD] DIABETES CARE, vol. 5, no. 3, May/June 1982, pages 245-253; J.S. SCHULTZ et al.: "Affinity sensor: A new technique for developing implantable sensors for glucose and others metabolites"
- See references of WO 8901794A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

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