

Title (en)
ON-LINE DRUG DELIVERY SYSTEM IN EXTRACORPOREAL THERAPY

Title (de)
ON-LINE MEDIKAMENTENABGABESYSTEM IN EINER EXTRAKORPORALEN THERAPIE

Title (fr)
SYSTEME DE LIBERATION DE MEDICAMENTS EN LIGNE UTILISE EN THERAPIE EXTRACORPORELLE

Publication
EP 0814854 A1 19980107 (EN)

Application
EP 96902672 A 19960116

Priority
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Abstract (en)
[origin: WO9622117A2] A preferred patient blood treatment system and method for the photoactivation of reagents in contact with a patient's blood achieves a well-mixed and accurate drug concentration in extracorporeal therapy. The preferred drug delivery system of the present invention comprises specially designed components and a microprocessor control system including a syringe pump, drug mixer and a reaction chamber, whereby the microprocessor control system monitors patient blood flow and regulates the system components to deliver the desired drug concentration to the reaction chamber maximizing the effectiveness of extracorporeal therapy.

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Citation (search report)
• [A] US 5322620 A 19940621 - BROWN RICHARD I [US], et al
• [A] US 4789853 A 19881206 - GENTILUOMO JOSEPH A [US]
• [X] EP 0306130 A1 19890308 - FISHER SCIENTIFIC CO [US]
• [X] US 5205153 A 19930427 - HLAVINKA DENNIS J [US], et al
• [X] US 5191795 A 19930309 - FELLINGHAM GEORGE H [US], et al
• [X] US 3861652 A 19750121 - CLARK RICHARD ALLEN, et al

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