

Title (en)  
CONDUCTING ELECTROACTIVE BIOMATERIALS

Title (de)  
LEITFÄHIGE ELEKTROAKTIVE BIOMATERIALIEN

Title (fr)  
BIOMATERIAUX ELECTRO-ACTIFS CONDUCTEURS

Publication  
**EP 0773975 A4 19980610 (EN)**

Application  
**EP 95926798 A 19950804**

Priority  
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• AU PN211695 A 19950331

Abstract (en)  
[origin: WO9604340A1] The development of conductive electroactive polymers which comprise a hydrophilic counterion provides biomaterials with properties which enable the incorporation and controlled release of biological macromolecules such as proteins. The improved properties of the polymers also enable the preparation of composite polymers which contains viable viruses or cells such as bacterial or animal cells. The composite polymers are also biocompatible and may be used as controlled drug delivery devices and biosensors, both in vitro and in vivo.

IPC 1-7  
**C08L 99/00**; **C08L 89/00**; **A61K 47/00**; **A61K 47/32**; **A61K 47/34**; **A61K 47/48**; **C12N 11/04**

IPC 8 full level  
**A61K 41/00** (2006.01); **A61K 47/48** (2006.01); **C12N 11/04** (2006.01); **G01N 33/544** (2006.01); **G01N 33/556** (2006.01)

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Citation (search report)  
• [A] DE 3607302 A1 19870910 - BASF AG [DE]  
• [A] EP 0454044 A2 19911030 - HOECHST AG [DE]  
• [PX] EP 0627747 A1 19941207 - COMMISSARIAT ENERGIE ATOMIQUE [FR]  
• [X] PATENT ABSTRACTS OF JAPAN vol. 17, no. 37 (C - 1019) 25 January 1993 (1993-01-25) & DATABASE WPI Week 9243, Derwent World Patents Index; AN 352672  
• [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 149 (C - 705) 22 March 1990 (1990-03-22) & DATABASE WPI Week 9010, Derwent World Patents Index; AN 69655  
• See references of WO 9604340A1

Designated contracting state (EPC)  
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**WO 9604340 A1 19960215**; EP 0773975 A1 19970521; EP 0773975 A4 19980610

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