

Title (en)

Non-linear resistor using poly (amino acid) membrane

Title (de)

Nichtlinearer Widerstand mit polyaminosäurer Membran

Title (fr)

Résistance non linéaire comprenant une membrane polyamine acide

Publication

**EP 0740312 A2 19961030 (EN)**

Application

**EP 96301883 A 19960320**

Priority

JP 10416195 A 19950427

Abstract (en)

A nonlinear resistor is disclosed which includes a housing in which a membrane of a water-insoluble poly(amino acid) having ionic side chains is disposed to divide the space within the housing into first and second chambers. An electrolyte-containing hydrogel is contained in each of the first and second chambers for electrical contact with the membrane. First and second electrodes are disposed in the first and second chambers, respectively, for electrical contact with the corresponding hydrogel and are coupled with first and second lead wires, respectively, each extending out of the housing. <IMAGE>

IPC 1-7

**H01C 7/10**

IPC 8 full level

**H01C 7/13** (2006.01); **H01B 1/12** (2006.01); **H01C 1/026** (2006.01); **H01C 7/10** (2006.01); **H01C 10/02** (2006.01); **H01C 13/00** (2006.01)

CPC (source: EP)

**H01C 1/026** (2013.01); **H01C 7/10** (2013.01); **H01C 10/025** (2013.01)

Cited by

EP2840390A1; CN105474009A; US10352896B2; WO2015024787A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0740312 A2 19961030**; **EP 0740312 A3 19971105**; JP 2671948 B2 19971105; JP H08306513 A 19961122

DOCDB simple family (application)

**EP 96301883 A 19960320**; JP 10416195 A 19950427