

Title (en)

PATTERNED CELL NETWORK SUBSTRATE INTERFACE AND METHODS AND USES THEREOF

Title (de)

GEMUSTERTE ZELLNETZWERKSUBSTRATGRENZFLÄCHE SOWIE VERFAHREN UND VERWENDUNGEN DAVON

Title (fr)

INTERFACE DE SUBSTRAT DE RESEAU CELLULAIRE A MOTIF ET SES PROCEDES ET UTILISATIONS

Publication

**EP 1751267 A1 20070214 (EN)**

Application

**EP 05741336 A 20050505**

Priority

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Abstract (en)

[origin: WO2005108547A1] There is provided herein a method and apparatus suitable for use in studying cell membrane related activities. Activities of interest include patch-clamp related studies of networks of cells on a solid substrate. Cells are grown, preferably in a patterned manner, on a substrate having microholes therein. Seals between the cells and the microholes are formed. Each microhole is attached to a channel. In many cases only one hole will be attached to a single channel, allowing examination of effects of a stimulus at a number of different points in a network of one or more cell types. This may be interest, for example, to those wishing to study interactions between neurons or neuromuscular junctions.

IPC 8 full level

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