

Title (en)

MICRONEEDLE ARRAYS AND METHODS OF PREPARING SAME

Title (de)

MIKRONADELANORDNUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

BATTERIES DE MICRO-AIGUILLES ET PROCEDES POUR LEUR FABRICATION

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Application

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Abstract (en)

[origin: WO2007059289A1] A microneedle array having a substrate and a plurality of microneedles extending out from the substrate with a multi-phase matrix coating on at least a portion of the microneedle surface of the microneedle array. The multi-phase matrix coating comprises an active substance and has a first solid phase and a liquid phase. The first solid phase comprises a water-soluble polymer. Also, a method of providing an active substance- containing matrix coating on a microneedle array in which a water-soluble polymer is applied to the microneedle surface of the array to form a dried coating of water-soluble polymer. A coating solution comprising an active substance, a liquid capable of phase separating from the water-soluble polymer, and a carrier fluid is prepared and applied to the dried coating of water-soluble polymer. At least a portion of the carrier fluid is removed from the array.

IPC 8 full level

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