

Abstract

LOCALISED TRANSDERMAL IONTOPHORETIC DRUG DELIVERY SYSTEM

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A localised transdermal iontophoretic drug delivery system, which controls localised transdermal drug delivery doses, transdermal drug delivery depths and transdermal drug delivery speeds. Specifically, the system comprises a power supply, a current driving assembly, an optional switch matrix or multiplexer, and electrode assemblies (1, 1', 2, 2', 3a, 3a', 3b, 3b', 4, 4') or an electrode assembly array. The localised transdermal iontophoretic drug delivery system accurately controls a drug delivery current distribution between any electrode combination, so as to locally control a transdermal drug delivery dose, a transdermal drug delivery depth and a transdermal drug delivery speed, in order to implement accurate drug delivery to a user's skin.

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(No Suitable Figure)