Problems to be Solved by the Invention

[0004]

An adhesive skin patch is generally manufactured by applying an adhesive agent onto a film having a wide area (release liner) or a support, and then adjusting the thickness through a member limiting the thickness of the adhesive agent, and then cutting the film or support into an adhesive skin patch having a size suitable for a product. However, a conventional adhesive agent containing lidocaine is difficult to apply in a uniform thickness, and the thickness becomes easily uneven. In addition, an apparatus for manufacturing an adhesive skin patch (particularly the limited member) is subjected to an intense load since the elastic force of the adhesive agent is strong, and thus is liable to break down.

[0005]

The present invention has been elaborated under the actual circumstances described above, and a purpose of the present invention is to provide a hydrous adhesive skin patch that contains lidocaine and can be easily applied in a uniform thickness.

Means for Solving the Problems

[0006]

The present inventors found that either diethylene glycol or diethylene glycol monoalkyl can resolve the above-mentioned problems, and completed the present invention. Specifically, the present ~~invention~~ disclosure provides the following.

[0007]

(1) In an aspect, there is provided a~~A~~ hydrous adhesive skin patch comprising a support and an adhesive agent layer arranged on the support, wherein

lidocaine or a pharmacologically acceptable salt thereof, a hydrophilic adhesive agent and 1 mass% or more and 5 mass% or less of diethylene glycol monoalkyl ether with respect to the adhesive agent layer are contained in the adhesive agent layer.

[0008]

(2) The hydrous adhesive skin patch described in (1), wherein the diethylene glycol monoalkyl ether is at least one selected from the group consisting of diethylene glycol monomethyl ether, diethylene glycol monoethyl ether and diethylene glycol monobutyl ether.

[0009]

(3) The hydrous adhesive skin patch described in (1) or (2), wherein the diethylene glycol monoalkyl ether comprises diethylene glycol monoethyl ether.

[0010]

(4) The hydrous adhesive skin patch described in any one of (1) to (3), which contains up to 30 mass% of water with respect to the adhesive agent layer in the adhesive agent layer.

[0011]

(5) The hydrous adhesive skin patch described in any one of (1) to (4), wherein the hydrophilic adhesive agent comprises polyacrylates.

[0012]

(6) The hydrous adhesive skin patch described in any one

of (1) to (5), wherein the adhesive agent layer contains 40 mass% or more of polyhydric alcohol with respect to the adhesive agent layer.

[0013]

(7) A method of treating or preventing herpes zoster or postherpetic neuralgia in a patient, the method comprising a step of applying the hydrous adhesive skin patch described in any one of (1) to (6) onto the skin of the patient.

(8) In another aspect, there is provided the u~~U~~se of the hydrous adhesive skin patch described herein ~~any one of (1) to (6)~~ in the ~~-~~manufacture of a medicament for treating or preventing herpes zoster or postherpetic neuralgia in a patient, wherein the medicament is to be applied onto the skin of the patient.

Effects of the Invention

[0014]

According to the present invention, diethylene glycol or diethylene glycol monoalkyl ether is blended (contained) in an adhesive agent layer of a hydrous adhesive skin patch, and thus the adhesive agent is easily applied uniformly, and the elastic force of the adhesive agent decreases despite lidocaine being contained in the process of manufacturing the adhesive skin patch, and thus the load applied to the apparatus for manufacturing the adhesive skin patch is suppressed. Accordingly, a hydrous adhesive skin patch containing lidocaine can be provided that can be applied in a uniform thickness easily.

CLAIMS

1. A hydrous adhesive skin patch comprising a support and an adhesive agent layer arranged on the support,

wherein lidocaine or a pharmacologically acceptable salt thereof, a hydrophilic adhesive agent and 1 mass% or more and 5 mass% or less of diethylene glycol monoalkyl ether with respect to the adhesive agent layer are contained in the adhesive agent layer.

2. The hydrous adhesive skin patch according to claim 1, wherein the diethylene glycol monoalkyl ether is at least one selected from the group consisting of diethylene glycol monomethyl ether, diethylene glycol monoethyl ether and diethylene glycol monobutyl ether.

3. The hydrous adhesive skin patch according to claim 1 or 2, wherein the diethylene glycol monoalkyl ether comprises diethylene glycol monoethyl ether.

4. The hydrous adhesive skin patch according to any one of claims 1 to 3, which contains 30 mass% or less of water with respect to the adhesive agent layer in the adhesive agent layer.

5. The hydrous adhesive skin patch according to any one of claims 1 to 4, wherein the hydrophilic adhesive agent comprises polyacrylates.