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(54) Title: WATER-ABSORBING SHEET STRUCTURE

(54) 発明の名称: 吸水シート構成体

[図2]

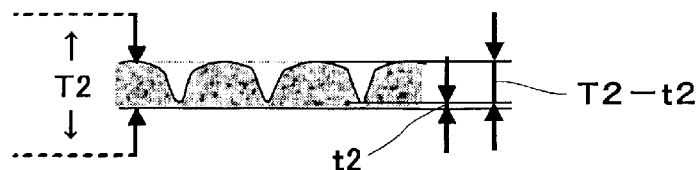


図 2

(57) Abstract: Disclosed is a water-absorbing sheet structure having a configuration in which an absorption layer comprising a water-absorbing resin has been sandwiched, from the upper and lower sides thereof, between sheets of hydrophilic nonwoven fabric, characterized in that the upper surface and/or the lower surface of the water-absorbing sheet structure has been embossed and that the water-absorbing sheet structure, when physiological saline is absorbed in the water-absorbing sheet structure in an amount of 4 L per m² of the sheet structure (4 L/m²), satisfies both of the following relationships (A) and (B): (A) the swelling ratio by thickness (T2/T1) is 2 or more and (B) the depth of the swelled embossing valleys [(T2-t2)/T2] is 0.7 or more (T1 is the thickness (mm) of the water-absorbing sheet structure before absorption of physiological saline, T2 is the thickness (mm) of the water-absorbing sheet structure after the absorption of physiological saline, and t2 is the thickness (mm) of the embossing valleys of the water-absorbing sheet structure after the absorption of physiological saline). The water-absorbing sheet structure does not deform before and after liquid absorption and produces the excellent effect of sufficiently showing liquid-absorbing ability such as excellent liquid infiltration properties and little liquid leakage.

(57) 要約:

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