

Title (en)

Bulky sheet and process of producing the same

Title (de)

Bauschiges Blatt und Verfahren zu dessen Herstellung

Title (fr)

Feuille volumineuse et son procédé de fabrication

Publication

**EP 1591575 B1 20091125 (EN)**

Application

**EP 05009045 A 20050425**

Priority

JP 2004134600 A 20040428

Abstract (en)

[origin: EP1591575A1] A bulky sheet 1 has a network sheet 11 and a nonwoven fabric-like fiber aggregate 10 having fibers arranged on at least one side of the network sheet 11. The fibers of the fiber aggregate 10 is in entanglement among themselves and with the network sheet 11 to be unitary with the network sheet 11. The network sheet 11 is three-dimensionally shaped to form a number of protrusions and depressions, and the fiber aggregate 10 is united with the network sheet 11 along the contour of the three-dimensionally shaped network sheet 11 such that the bulky sheet, as a whole, has a three-dimensional profile with a number of protrusions and depressions.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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**EP 1591575 A1 20051102**; **EP 1591575 B1 20091125**; DE 602005017845 D1 20100107; JP 2005314842 A 20051110; JP 4338578 B2 20091007; US 2005255297 A1 20051117

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