

Title (en)

Creped absorbent paper sheet, creping cylinder and process for making such a sheet

Title (de)

Gekreppte, saugfähige Papierbahn, Kreppwalze, und Verfahren zur Herstellung solcher Papierbahn

Title (fr)

Feuille de papier absorbant crêpé, cylindre pour le gaufrage et procédé de fabrication d'une telle feuille

Publication

EP 1209289 A1 20020529 (FR)

Application

EP 00403285 A 20001124

Priority

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Abstract (en)

The crepe paper sheet (10) consists of at least one layer of crepe cellulose wadding with a weight of between 12 and 30 g/sq m and a corrugated design with at least one series of micro-protuberances (16) projecting from one side of the layer and having a density of over 20 micro-protuberances per sq cm. The micro-protuberances are made by a spiked roller; they have polyhedral bases and flattened tips (30) with rounded edges. The bases of the micro-protuberances can be in the form of rectangular bases of pyramids with sides angled at 35 - 45 degrees. Each micro-protuberance has an overall height of 0.05 - 0.5 mm and they are set in a density of 30 - 80 per sq cm. The sheet also has macro-protuberances with tips joined to an adjacent layer.

Abstract (fr)

L'invention propose une feuille gaufrée (10) composée d'au moins un pli d'ouate de cellulose crêpée de grammage compris entre 12 et 30 g/m<2> du type comportant un motif de gaufrage (16, 18) comportant au moins une première série de protubérances (16) formées en saillie sur une face du pli (14) et dont la densité est supérieure à 20 e protubérances par cm<2>, caractérisée en ce que chaque protubérance (16) de la première série comporte une embase (28) en forme de tronc de polyèdre et un tronçon d'extrémité libre aplati (30) à bords arrondis. <IMAGE>

IPC 1-7

D21H 27/02; **D21H 27/40**; **B31F 1/07**

IPC 8 full level

B31F 1/07 (2006.01); **D21H 27/02** (2006.01); **D21H 27/40** (2006.01)

CPC (source: EP US)

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Citation (search report)

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DOCDB simple family (application)

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