

Title (en)

METHOD AND DEVICE FOR PRODUCING A STRUCTURED, VOLUMINOUS NON-WOVEN WEB OR FILM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER STRUKTURIERTEN, VOLUMINÖSEN VLIESBAHN ODER FOLIE

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION D'UNE BANDE OU FEUILLE CONTINUE DE NON TISSE VOLUMINEUSE OU STRUCTUREE

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Application

EP 99964520 A 19991203

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Abstract (en)

[origin: US6739024B1] The invention relates to a method for producing a structured, voluminous non-woven web or velourised film from a thermoplastic by producing an unstructured web and subsequently processing this web using a pair of rollers (10a, 10b). The pair of rollers consists of a positive roller (10a) having numerous positive bodies distributed over the roll sleeve surface and a negative roller (10b) having equally as numerous cavities. During the rolling process, the positive bodies engage with the cavities and stretch the unstructured web in the area of the roller engagements in such a way that a deep-drawn web structure with numerous cavities is produced. After the web has passed through a roller gap, the deformed web, still bonded to the positive roller, is brought into contact with a perforating tool and perforated.

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