Title (en)
METHOD FOR PRODUCTION OF FIBRE FILL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FASERFÜLLERN

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN REMBOURRAGE SYNTHÉTIQUE

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Application
EP 13711826 A 20130222

Priority
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Abstract (en)
[origin: WO2013123949A2] A method for producing fibre fill for use as filling material in clothing, sleeping bags, pillows and duvets from a fibre rope (3) e.g. containing 30,000 - 80,000 fibres or filaments with a fibre thickness of 0.9 - 30 dtx, that the fibre rope (3) is divided into fibre bundles or fibre cords with a relatively large number of fibres or filaments of the magnitude 200-2000 pcs, determined by the dtx of the filaments, and then passing a gluing or welding unit (18), e.g. an ultrasound welding head, performing a punctiform gluing or welding together of the filaments, spaced apart about 6-20 mm, the bundles subsequently passing a cutter or scissors (20) which e.g. is/are controlled synchronously with the welding head (18) and which shortens the filaments into lengths of about 6-20 mm, after which the shortened fibre down (22) is either packed in shipping bales or are used directly for blowing into pillows or duvets as filling. Surprisingly it has appeared that the thus produced polymeric, artificial fibre downs appear as a very improved filling material which is capable of continuously maintaining a good filling capability and continuously returning to its original condition at the blowing.

IPC 8 full level
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