

Title (en)  
MICROFIBROUS NONWOVENS, COMPLEXES AND MANUFACTURING PROCESSES

Title (de)  
MIKROFASERVLIESTOFFE, DEREN KOMPLEXE UND HERSTELLUNGSVERFAHREN

Title (fr)  
NON-TISSÉS MICROFIBREUX, COMPLEXES LES INCORPORANT, PRÉPARATIONS

Publication  
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Application  
**EP 03292546 A 20031014**

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FR 0212807 A 20021015

Abstract (en)  
The non-woven fabric has a fibrous structure containing a majority of microfibres (10) and thermally bonded zones (13). The micro fibres are made from one or more materials that have a higher melting point than the thermally-bonded fibres, and at least a proportion of them has an oblong cross-section. The fibrous structure also includes cellulose or non-cellulose fibres with a yarn count of under 1 dtex, and is made up of at least 20 per cent by weight of microfibres, at least 10 per cent of a thermal bonding material and at least 10 per cent of cellulose fibres. The weight of the fabric is between 5 and 600 g/sq m and preferably under 30 g/sq m, and it is impregnated to enhance its dust-free properties. The thermal bonding is carried out by passing the fabric through an oven, over heated rollers, or by ultrasound.

Abstract (fr)  
La présente invention a pour objet : des non-tissés de fibres courtes, dont la structure fibreuse renferme une majorité en nombre de microfibres (1a, 1b ; 10) et des zones de matière fondue de thermoliage (3 ; 13), caractérisés en ce que lesdites microfibres (1a, 1b ; 10) sont en un(des) matériau(x) différent(s) de celui(ceux) de ladite matière fondue de thermoliage, présentant une(des) température(s) de fusion supérieure(s) et en ce que lesdites microfibres (1a, 1b ; 10) se trouvent, en limite desdites zones de matière fondue de thermoliage (3 ; 13), regroupées en faisceaux ; des complexes incorporant de tels non-tissés dans leur structure ; des procédés de préparation desdits non-tissés et complexes. <IMAGE>

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