

Title (en)

Siliconized interlining, production process and use thereof

Title (de)

Silikonisierte Einlagestoffe, Verfahren zu deren Herstellung und deren Verwendung

Title (fr)

Entoilage siliconé, son procédé de production et son utilisation

Publication

EP 1471180 A2 20041027 (DE)

Application

EP 04006891 A 20040323

Priority

DE 10319058 A 20030425

Abstract (en)

Lining material (I) comprising textile sheet containing siliconized fibres and coated with adhesive (at least at separate points on the surface), in which the fibres are coated with a layer of silicon-containing material with a thickness of up to 40 nm. Independent claims are also included for (1) a method (M1) for the production of (I) by making textile sheet using known methods, passing the material through a plasma discharge chamber containing finely-divided organosilicon compound(s) and/or silane(s) (II), and coating parts of the surface with a hot-melt adhesive (2) a method (M2) as above in which the textile sheet is impregnated with (II) before passing through the plasma discharge chamber which may or may not contain (II) (3) a method (M3) in which the textile sheet is passed through the plasma discharge chamber (optionally containing II) and then impregnated with (II) before applying the adhesive.

Abstract (de)

Beschrieben werden silikonisierte Einlagestoffe umfassend ein silikonisierte Fasern aufweisendes textiles Flächengebilde, die auf mindestens einer Oberfläche zumindest an örtlich getrennten Stellen eine Beschichtung aus thermisch erweichbarem Haftmaterial aufweisen, wobei die Fasern mit einer Schicht aus siliziumorganischem Material von bis zu 40 nm Dicke versehen sind.

IPC 1-7

D06M 17/04; **D06M 10/08**; **D06M 10/02**; **D06M 13/513**; **D06M 13/507**; **D06M 23/16**

IPC 8 full level

D06M 10/02 (2006.01); **D06M 10/08** (2006.01); **D06M 11/01** (2006.01); **D06M 13/507** (2006.01); **D06M 13/513** (2006.01); **D06M 17/04** (2006.01); **D06M 23/16** (2006.01)

CPC (source: EP)

D06M 10/02 (2013.01); **D06M 10/025** (2013.01); **D06M 10/08** (2013.01); **D06M 11/01** (2013.01); **D06M 13/507** (2013.01); **D06M 13/513** (2013.01); **D06M 17/04** (2013.01); **D06M 23/16** (2013.01)

Cited by

GB2461332A; CN109137476A; WO2008022682A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1471180 A2 20041027; **EP 1471180 A3 20060322**; DE 10319058 A1 20041202

DOCDB simple family (application)

EP 04006891 A 20040323; DE 10319058 A 20030425