

Title (en)
PROCESS FOR COATING YARNS AND FIBRES IN TEXTILE OBJECTS

Title (de)
VERFAHREN ZUR UMMANTELUNG VON GARNEN UND FASERN IN TEXTILEN GEGENSTÄNDEN

Title (fr)
PROCEDE D'ENROBAGE DE FILS ET DE FIBRES DANS DES OBJETS TEXTILES

Publication
EP 0695384 B1 20020403 (DE)

Application
EP 94912475 A 19940421

Priority
• CH 122193 A 19930421
• DE 9400439 W 19940421

Abstract (en)
[origin: WO9424358A2] Textile bodies may be coated by physical or chemical vapour deposition in the gaseous phase. The layers deposited on the fibres or filaments have a high quality. It is thus possible to coat filaments or fibres without leaving any pores even with very thin layers, which cause however an imperceptible increase of the total volume of the textile object. Because of the high mobility of the coating material particles, even critical spots, such as the chaining spots in meshed or woven goods, are reliably coated. The same is valid also for complex designed, three-dimensional textile shaped bodies. Besides coatings by simple deposition, surface polymerisations may also be carried out, forming impenetrable layers on the textile material, which either protects it against the environment (allergy, sensitivity to air or light) or confer new properties to it (electric conductivity, antiadhesive coating). Coating in the gaseous phase also prevents in many cases the textile body to be processed from drying out.

IPC 1-7
D06M 10/02

IPC 8 full level
D06M 10/02 (2006.01); **D06M 10/08** (2006.01); **D06M 10/10** (2006.01); **D06M 14/18** (2006.01); **D06M 23/00** (2006.01); **H01B 1/12** (2006.01)

CPC (source: EP)
D06M 10/025 (2013.01); **D06M 10/08** (2013.01); **D06M 10/10** (2013.01); **D06M 14/18** (2013.01); **D06M 23/00** (2013.01); **D06M 23/005** (2013.01); **H01B 1/12** (2013.01); **D06M 2101/18** (2013.01); **D06M 2200/00** (2013.01); **D06M 2200/20** (2013.01); **D06M 2200/25** (2013.01); **D06M 2200/35** (2013.01); **D06M 2200/40** (2013.01)

Citation (examination)
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Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
WO 9424358 A2 19941027; **WO 9424358 A3 19941208**; DE 59410093 D1 20020508; EP 0695384 A1 19960207; EP 0695384 B1 20020403; EP 0695384 B2 20060426

DOCDB simple family (application)
DE 9400439 W 19940421; DE 59410093 T 19940421; EP 94912475 A 19940421