

Title (en)
SYNTHETIC YARN WITH HEAT-ACTIVATED BINDER FIBER

Publication
EP 0324773 B1 19901122 (EN)

Application
EP 87906522 A 19870915

Priority
US 93438986 A 19861124

Abstract (en)
[origin: WO8803969A1] Synthetic yarn comprises a blend of base fiber selected from the group consisting of polyester, nylon-6 and nylon 6,6 and 1-12 weight percent, preferably 1-8 weight percent, of a heat activated binder fiber with a melting point within the range of 110-170 DEG C, preferably 130-160 DEG C. A preferred binder fiber is a copolyamide fiber, including ternary copolyamides of the 6/66/12 type. When the yarn is twisted, plied and twist set by conventional processes and the treated yarn tufted into carpet, the resulting carpet displays enhanced wear and appearance properties.

IPC 1-7
D02G 3/40

IPC 8 full level
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CPC (source: EP)
D02G 3/402 (2013.01); **D02G 3/445** (2013.01)

Cited by
DE4240335A1; US5284009A; US5478624A; US6030685A; US6117546A; US5698480A; US5712209A; US5824613A; EP0696654A1; WO9409196A1; US6658835B1; US7398640B2; US7402217B2

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