

Title (en)

A stitch bonded fabric for reinforcing coated abrasive backings.

Title (de)

Nähwirkstoff zur Verstärkung von mit Schleifmitteln überzogenen Unterlagen.

Title (fr)

Tissu lié par couture pour renforcer des supports abrasifs enduits.

Publication

EP 0073313 A2 19830309 (EN)

Application

EP 82105651 A 19820625

Priority

US 29753881 A 19810831

Abstract (en)

Stitch bonded fabrics were found to be suitable substrates for coated abrasives when the fabric has a strength in the warp direction of at least 30 dekanewtons (daN) per centimeter (cm) of width, a fill yarn cover factor of at least 40%, and stitch yarns with a tensile strength of at least 0.5 daN. For substitution of the established commercial classes of abrasives known as X and Y weights, the fabrics are preferably made on a Malimo machine, with 14-22 warp yarns of 840-1300 denier high tenacity multifilament polyester or glass per 25 cm of fabric width, at least 64 fill yarns of staple or texturized multifilament polyester per 25 cm of fabric length, and stitch yarns of 70-140 denier high tenacity multifilament polyester.

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D04H 3/10

IPC 8 full level

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CPC (source: EP)

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Cited by

DE3339305A1; CN102791496A; US5543004A; US4474585A; EP0267030A3; US9555591B2; US9403332B2; US9272576B2; WO2011112920A1; WO9418367A1; WO9105896A1; US8960248B2; US9493045B2; US9346317B2; US9393835B2; US9421820B2; US9643453B2

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