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(54) **A stitch bonded fabrics for reinforcing coated abrasive backings.**

(57) 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.



European Patent
Office

EUROPEAN SEARCH REPORT

0073313

Application number

EP 82 10 5651

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	FR-A-2 228 876 (THE GOODYEAR TIRE & RUBBER CY.) * Claims 1-10; figure * -----	1,2	D 04 H 3/10
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			D 04 H 3/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-01-1984	Examiner DROUOT M.C.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	