Title (en)
Weaving process for making an impregnated conveyor belting.

Title (de)
Verfahren zum Weben eines imprägnierten Transportbandes.

Title (fr)
Procédé de tissage pour la fabrication d'une bande transporteuse imprégnée.

Publication
EP 0020038 A1 19801210 (EN)

Application
EP 80301500 A 19800508

Priority
GB 7916288 A 19790510

Abstract (en)
A problem encountered in increasing the tensile strength of conveyor belting is that when the belting is made thicker to increase its strength, it becomes difficult to impregnate the interior of the belting carcass. To overcome this difficulty, the invention provides a method for manufacturing solid woven beltings which comprises weaving a textile fabric carcass having a plurality of integrally woven layers of weft and subsquently impregnating and coating said carcass with a polymeric material, the textile carcass having five or seven integrally woven layers of weft and being woven in such a manner that the warp yarns define a plurality of continuous flow paths along which the impregnant can travel from the outer surfaces of the carcass to the interior core and each of the warp yarns defines such a path. The weft layers may be interlocked solely by dual function warp yarns all of which serve simultaneously to impart tension resistant strength to the fabric.

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CPC (source: EP)
D03D 11/00 (2013.01)

Citation (search report)
- US 2800701 A 19570730 - ERNEST WATTS GILBERT, et al
- DE 2801466 A1 19780720 - R T I S A RHODANIENNE DE TISSU

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AT BE DE FR GB IT NL SE

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EP 0020038 A1 19801210; AU 533640 B2 19831201; AU 5821680 A 19801113; CA 1143253 A 19830322; ES 491325 A0 19810416; ES 8104054 A1 19810416; IN 152110 B 19831022; JP S55156039 A 19801204; ZA 802683 B 19810527

DOCDB simple family (application)
EP 80301500 A 19800508; AU 5821680 A 19800508; CA 351773 A 19800509; ES 491325 A 19800509; IN 550CA1980 A 19800509; JP 6160880 A 19800509; ZA 802683 A 19800505