

Title (en)

High density flat textile structure made of polyester hybrid yarns, process for producing composite materials and use of the flat textile structure

Title (de)

Textile Flächengebilde hoher Dichte aus Polyesterhybridgarnen, Verfahren zur Herstellung von Verbundwerkstoffen und Verwendung der textilen Flächengebilde

Title (fr)

Structure textile plane à haute densité faite de fils hybrides polyester, procédé pour la fabrication de matériaux composites et utilisation de la structure textile plane

Publication

EP 0768406 A1 19970416 (DE)

Application

EP 96115794 A 19961002

Priority

DE 19537703 A 19951011

Abstract (en)

Textile material contains hybrid yarn of polyester reinforcing fibres and low-melting polyester matrix fibres and has a density $D > 0.6 \text{ g/cm}^3$, in which D = the ratio of the mass/unit area in g/cm^2 and the thickness in cm. Also claimed is a method of making composites from this material.

Abstract (de)

Beschrieben werden textile Flächengebilde enthaltend Hybridgarne aus Verstärkungsfasern aus Polyester und aus niedriger schmelzenden Matrixfasern aus Polyester, welche eine hohe Dichte aufweisen und zu Verbundwerkstoffen mit einer sehr guten Einbettung der Verstärkungsfasern in die Matrix verpreßt werden können.

IPC 1-7

D03D 15/00; **D02G 3/04**

IPC 8 full level

D02G 3/04 (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP US)

D02G 3/045 (2013.01 - EP); **D03D 1/02** (2013.01 - EP); **D03D 15/267** (2021.01 - EP); **D03D 15/283** (2021.01 - EP US); **D03D 15/47** (2021.01 - EP US); **D03D 15/56** (2021.01 - EP); **D03D 15/573** (2021.01 - EP US); **D03D 15/587** (2021.01 - EP US); **D10B 2101/06** (2013.01 - EP); **D10B 2101/12** (2013.01 - EP); **D10B 2321/021** (2013.01 - EP); **D10B 2321/022** (2013.01 - EP); **D10B 2331/021** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP); **D10B 2401/041** (2013.01 - EP); **D10B 2401/061** (2013.01 - EP); **D10B 2401/063** (2013.01 - EP); **D10B 2501/04** (2013.01 - EP); **D10B 2505/10** (2013.01 - EP); **D10B 2505/124** (2013.01 - EP); **D10B 2505/18** (2013.01 - EP); **D10B 2505/204** (2013.01 - EP)

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