

Title (en)

COMPOSITE MATERIALS MADE FROM PRETREATED, ADHESIVE COATED BEADS

Title (de)

AUS VORBEHANDELTEN, MIT KLEBSTOFF ÜBERZOGENEN PERLEN HERGESTELLTE VERBUNDMATERIALIEN

Title (fr)

MATERIAUX COMPOSITES REALISES A PARTIR DE BILLES PRETRAITEES ENROBEES D'ADHESIF

Publication

EP 1677972 A4 20061115 (EN)

Application

EP 04795277 A 20041013

Priority

- US 2004034090 W 20041013
- US 68578303 A 20031015
- US 68596503 A 20031015

Abstract (en)

[origin: WO2005037537A1] A composite material comprised of synthetic polymeric beads (26p) and adhesive, primarily intended for use in constructing buildings, athletic fields, waste pond covers, packaging, contact sports gear and medial equipment. The composite material is comprised of a plurality of electrical excitation zone-treated beads (26p) having average diameters between about 1 mm and about 10 mm that are substantially coated with the adhesive material and used in quantities such that void spaces constitute at least about 10 percent by volume of the total volume of the composite material. Upon curing, the adhesive preferably has hardness levels ranging from about Shore A 20 to about Shore A 95.

IPC 8 full level

B32B 7/12 (2006.01); **B29C 44/34** (2006.01); **B29C 70/66** (2006.01); **H05H 1/26** (2006.01)

CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2005037537A1

Designated contracting state (EPC)

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