

Title (en)
REINFORCING MATERIAL FOR FOOTWEAR

Title (de)
VERSTÄRKUNGSMATERIAL FÜR SCHUHWERK

Title (fr)
MATERIAU DE RENFORCEMENT POUR CHAUSSURES

Publication
EP 1025301 B1 20031015 (EN)

Application
EP 98951561 A 19981023

Priority
• GB 9803159 W 19981023
• GB 9722272 A 19971023

Abstract (en)
[origin: WO9922060A1] A reinforcing material suitable for use in footwear stiffeners, characterised in that the material comprises consolidated melt-spun fibres of hot-melt adhesive, e.g. polyester melting point about 60 DEG C, combined with bulk fibres, e.g. of 20 mm to 100 mm in length, in a ratio of adhesive fibres to bulk fibres between 20:80 and 80:20 by weight, said fibres having been entangled prior to consolidation under pressure and heat.

IPC 1-7
D04H 1/54; D04H 1/60; D04H 1/48; D04H 13/00; A43B 23/07; A43B 23/08; A43B 13/04; A43B 13/00

IPC 8 full level
A43B 23/08 (2006.01); **A43B 23/16** (2006.01); **D04H 1/4374** (2012.01); **D04H 1/48** (2006.01); **D04H 1/485** (2012.01); **D04H 1/54** (2006.01); **D04H 1/60** (2006.01); **D04H 5/04** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)
A43B 23/086 (2013.01); **A43B 23/16** (2013.01); **D04H 1/4374** (2013.01); **D04H 1/48** (2013.01); **D04H 1/485** (2013.01); **D04H 1/54** (2013.01); **D04H 1/60** (2013.01); **D04H 5/04** (2013.01); **D04H 13/00** (2013.01)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9922060 A1 19990506; AU 9752298 A 19990517; BR 9812975 A 20000808; CN 1278877 A 20010103; DE 69819028 D1 20031120; DE 69819028 T2 20040708; EP 1025301 A1 20000809; EP 1025301 B1 20031015; ES 2205562 T3 20040501; GB 9722272 D0 19971217

DOCDB simple family (application)
GB 9803159 W 19981023; AU 9752298 A 19981023; BR 9812975 A 19981023; CN 98811125 A 19981023; DE 69819028 T 19981023; EP 98951561 A 19981023; ES 98951561 T 19981023; GB 9722272 A 19971023