

Title (en)
METHOD FOR OBTAINING A CARBON FIBER FABRIC BY CONTINUOUS CARBONIZATION OF A FABRIC CONSISTING OF CELLULOSIC FIBERS

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES GEWEBES AUS KOHLENSTOFFFASERN DURCH KONTINUIERLICHE CARBONISIERUNG VON GEWEBEN AUS CELLULOSEFASERN

Title (fr)
PROCEDE POUR L'OBTENTION DE TISSU EN FIBRES DE CARBONE PAR CARBONISATION EN CONTINU D'UN TISSU EN FIBRES CELLULOSIQUES

Publication
EP 1179096 B1 20050302 (FR)

Application
EP 00985404 A 20001205

Priority
• FR 0003385 W 20001205
• FR 9915330 A 19991206

Abstract (en)
[origin: WO0142543A2] The carbonization of the fabric consisting of cellulosic fibers comprises an initial phase of heat treatment at temperatures of up to 250 to 350 DEG C, with the temperature increasing relatively rapidly, at an average speed of 10 DEG C/min to 60 DEG C/min, an intermediate phase at temperatures of up to 350 to 500 DEG C, with the temperature increasing less rapidly, at an average speed of 2 DEG C/min to 10 DEG C/min and a final phase at temperatures of up to 500 DEG C to 750 DEG C, with the temperature increasing more rapidly again at an average speed of 5 DEG C/min to 40 DEG C/min.

IPC 1-7
D01F 9/16; **D01F 9/32**

IPC 8 full level
D01F 9/16 (2006.01); **D03D 15/12** (2006.01)

CPC (source: EP US)
D01F 9/16 (2013.01 - EP US)

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
WO 0142543 A2 20010614; **WO 0142543 A3 20011129**; AT E290108 T1 20050315; AU 2183101 A 20010618; BR 0007679 A 20011106; BR 0007679 B1 20110517; DE 60018406 D1 20050407; DE 60018406 T2 20051229; EP 1179096 A2 20020213; EP 1179096 B1 20050302; FR 2801908 A1 20010608; FR 2801908 B1 20020301; JP 2003516477 A 20030513; JP 4582566 B2 20101117; MX PA01007953 A 20030714; RU 2257429 C2 20050727; UA 68412 C2 20040816; US 6967014 B1 20051122

DOCDB simple family (application)
FR 0003385 W 20001205; AT 00985404 T 20001205; AU 2183101 A 20001205; BR 0007679 A 20001205; DE 60018406 T 20001205; EP 00985404 A 20001205; FR 9915330 A 19991206; JP 2001544409 A 20001205; MX PA01007953 A 20001205; RU 2001121190 A 20001205; UA 2001085510 A 20001205; US 89069501 A 20010803