

Title (en)

Method for bulking a strip of textile material, related device and strip of textile material thus obtained

Title (de)

Verfahren zur Erhöhung eines Textilmaterialstreifens, damit verbundene Vorrichtung und daraus gewonnener Textilmaterialstreifen

Title (fr)

Procédé de gonflage d'une bande de matériau textile, dispositif associé et bande de matériau textile obtenue de la sorte

Publication

EP 1798319 A1 20070620 (EN)

Application

EP 06126344 A 20061218

Priority

IT UD20050213 A 20051219

Abstract (en)

A method for bulking a strip of textile material (11) of wool and discontinuous fibers of animal origin, cotton and fibers of vegetable origin, artificial fibers, synthetic fibers, 100% pure or in a mix, comprises, downhill of a carding, drawing and/or combing step, and upstream of a spinning step, a first heating and/or humidifying step in which the strip (11) is taken to a substantially softened state of plastic or thermoplastic deformability, and a second compression step in which a desired pressure is imparted to the strip (11) in order to determine along it the formation of a plurality of waves, crimps and/or undulations.

IPC 8 full level

D01G 99/00 (2010.01); **D01H 7/92** (2006.01)

CPC (source: EP)

D01G 19/30 (2013.01); **D01G 99/005** (2013.01); **D02G 1/12** (2013.01)

Citation (search report)

- [A] US 4700538 A 19871020 - VARGA ANDRE [CA], et al
- [A] DE 4041719 A1 19920625 - SCHLAFHORST & CO W [DE]
- [A] US 2005246878 A1 20051110 - STUNDL MATHIAS [DE]
- [A] GB 1029872 A 19660518 - UNISEARCH LTD, et al
- [A] EP 0108705 A2 19840516 - POLYMER PROCESSING RES INST [JP], et al
- [A] US 4979274 A 19901225 - MCCULLOUGH JR FRANCIS P [US], et al
- [A] US 3785017 A 19740115 - BUTTNER G, et al

Cited by

EP2180090A4; CN114746588A; EP4034698A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1798319 A1 20070620; **EP 1798319 B1 20090617**; AT E434067 T1 20090715; DE 602006007294 D1 20090730; IT UD20050213 A1 20070620

DOCDB simple family (application)

EP 06126344 A 20061218; AT 06126344 T 20061218; DE 602006007294 T 20061218; IT UD20050213 A 20051219