

Title (en)
CONTINUOUS FILAMENT NONWOVEN FABRIC

Title (de)
ENDLOSFÄDENVLIESSTOFF

Title (fr)
NON TISSE A FIL CONTINU

Publication
EP 0843753 A1 19980527 (EN)

Application
EP 96926897 A 19960807

Priority
• US 9612732 W 19960807
• US 51400995 A 19950811

Abstract (en)
[origin: WO9707274A1] The present invention provides a method for producing a continuous filament nonwoven fabric under conditions which modify the surface characteristics of the filament and the fabric formed by the process. A blend of thermoplastic polymers, wherein at least one is a polyolefin polymer and containing a majority polymer component of low MFR, is extruded through a heated die under conditions which are responsible for controlled oxidation of the filament surface of at least one component so that they are capable of efficient bonding. During spinning, the continuous filaments display good drawability and good filament distribution on the collection surface. Preferably, the filaments are drawn to a fine denier (i.e., 5 or less). The corresponding continuous filament fabric possesses desirable strength properties, as a result of high interfilamentary bond strength.

IPC 1-7
D04H 3/14; D01F 6/46

IPC 8 full level
D01F 6/46 (2006.01); **D04H 3/14** (2012.01)

CPC (source: EP)
D01F 6/46 (2013.01); **D04H 3/14** (2013.01)

Citation (search report)
See references of WO 9707274A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9707274 A1 19970227; AU 6690596 A 19970312; BR 9610213 A 19990706; EP 0843753 A1 19980527; MX 9801185 A 19980731

DOCDB simple family (application)
US 9612732 W 19960807; AU 6690596 A 19960807; BR 9610213 A 19960807; EP 96926897 A 19960807; MX 9801185 A 19980211