

Title (en)
Conjugate fibers and non-woven fabrics therefrom

Title (de)
Verbundfasern und daraus hergestellte Faservliese

Title (fr)
Filaments conjugués et non-tissés en fabriqués

Publication
EP 0924322 A1 19990623 (EN)

Application
EP 98124236 A 19981217

Priority
JP 35140097 A 19971219

Abstract (en)
Conjugate fibers which are easy to make into fibers of small denier and soft, have a good feel and adequate strength and consequently are suitable for use as the material for various applications and non-woven fabrics comprising the said conjugate fibers. The conjugate fibers at least a part of which comprise a propylene polymer having a molecular weight distribution (Mw/Mn) of 1.5 to 3.5, and non-woven fabrics made thereof. The propylene polymer may, preferably, be a polymer obtained by a single site catalyst. The conjugate fibers may have a core-sheath structure containing core parts comprising the propylene polymer and sheaths comprising an ethylene polymer, or have a side-by-side structure containing the fiber part comprising the propylene polymer and the fiber part comprising an ethylene polymer.

IPC 1-7
D01D 5/30; **D01F 8/06**

IPC 8 full level
D01D 5/30 (2006.01); **D01F 8/06** (2006.01); **D04H 1/42** (2006.01); **D04H 1/54** (2006.01)

CPC (source: EP KR US)
D01F 8/06 (2013.01 - EP KR); **D04H 1/4291** (2013.01 - EP); **D04H 1/43828** (2020.05 - EP KR US); **D04H 1/4383** (2020.05 - EP KR US); **D04H 1/43832** (2020.05 - EP KR US); **D04H 1/54** (2013.01 - EP); **D01D 5/34** (2013.01 - KR); **D04H 5/06** (2013.01 - KR)

Citation (search report)
• [X] EP 0691427 A1 19960110 - CHISSO CORP [JP]
• [A] DE 2747177 A1 19780427 - CHISSO CORP
• [A] US 4234655 A 19801118 - KUNIMUNE KOHICHI, et al

Cited by
EP2352868A4; CN102689469A; CN103201416A; US7101622B2; US6583076B1; WO2005090655A1; WO0159193A1; WO0222933A1; WO0040789A1; WO2012064469A1; WO0196641A1; US7101623B2; US7413803B2; US9994982B2; US10156031B2; US11591730B2; WO2004005601A1; WO0196640A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0924322 A1 19990623; CN 1222588 A 19990714; CN 1287031 C 20061129; KR 19990063239 A 19990726

DOCDB simple family (application)
EP 98124236 A 19981217; CN 98122846 A 19981221; KR 19980056382 A 19981219