

Title (en)

Highly crimpable conjugate fibers and nonwoven webs made therefrom.

Title (de)

Konjurierte Fasern mit hohem Kräuselungsvermögen und daraus hergestellte Vliesstoffe.

Title (fr)

Fibres conjuguées avec haute capacité de frilage et tissus non-tissés produits à partir de celles-ci.

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Application

EP 95107486 A 19950516

Priority

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Abstract (en)

The present invention provides conjugate fibers having an ethylene polymer component and a propylene polymer component, which are highly crimpable even at fine deniers. Also provided are nonwoven fabrics made from the fibers. The propylene polymer component of the conjugate fiber contains a propylene polymer having a melt flow rate equal to or higher than about 45 g/ 10 min. at 230 DEG C. <IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (applicant)

- EP 0395336 A2 19901031 - MITSUI PETROCHEMICAL IND [JP]
- EP 0269051 A2 19880601 - CHISSO CORP [JP]
- US 4469540 A 19840904 - FURUKAWA YASUHIKO [JP], et al
- US 3423266 A 19690121 - DAVIES BARRIE LINTON, et al
- US RE30955 E 19820601
- US 4189338 A 19800219 - EJIMA SHOZO [JP], et al
- EP 0586924 A1 19940316 - KIMBERLY CLARK CO [US]

Cited by

WO2020069354A1; US5709735A; CN112789374A; AU760553B2; CN1100904C; AU700143B2; US5810954A; AU703521B2; CN1304671C; US2009324947A1; CN105051280A; US10161064B2; US11491057B2; US6528439B1; US6454989B1; WO2014108106A1; WO2017190717A1; WO9916946A1; WO9714495A1; WO0018995A3; WO9731145A1; WO9739817A1; KR100453473B1; WO0028123A1; WO9721863A3; US8926877B2; US11702778B2; WO2005073446A1

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