

Title (en)
ECCENTRIC POLYESTER-POLYETHYLENE-BICOMPONENT FIBRE

Title (de)
EXZENTRISCHE POLYESTER-POLYETHYLEN-BIKOMPONENTENFASER

Title (fr)
FIBRE EXCENTRIQUE A DEUX CONSTITUANTS POLYESTER/POLYETHYLENE

Publication
EP 1543187 A1 20050622 (DE)

Application
EP 03807760 A 20030726

Priority

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- EP 0308279 W 20030726

Abstract (en)
[origin: US2005093197A1] A method for producing a skin/core type eccentric biocomponent fibre which is soft to touch and has improved latent crimp. An eccentric skin/core fibre which has a skin portion in relation to the cross-section of the fibre of 35%-70% is produced by melt spinning polyester as a core component and polyethylene as a skin component at a spinning speed of between 600 m/min-2000 m/min. The thus-obtained fibre stretches at a temperature of between 40° C.-70° C. at a ratio $W_{\text{max}} \pm 20\%$ and is then compressed in a crimped manner. The fibre, which is produced in such a manner, is very soft to touch and has an additional latent crimp. The fibres are particularly suitable for producing hygiene products such as hygienic non-woven fabrics, and all kinds of hygienic textile flat items for producing nappies, bandages, inserts, cotton buds, and the like.

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IPC 8 full level
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CPC (source: EP KR US)
D01D 5/34 (2013.01 - KR); **D01F 8/06** (2013.01 - EP KR US); **D01F 8/14** (2013.01 - EP KR US)

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