

Title (en)
SHEATH-CORE SPINNING OF MULTILOBAL CONDUCTIVE CORE FILAMENTS

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EP 0399397 A3 19910612 (EN)

Application
EP 90109451 A 19900518

Priority
US 35605189 A 19890522

Abstract (en)
[origin: EP0399397A2] Multilobal core conductive bicomponent sheath-core filaments are provided and methods for making the same.

IPC 1-7
D01D 5/253; **D01D 5/34**; **D01F 1/09**

IPC 8 full level
D01F 8/04 (2006.01); **D01D 5/08** (2006.01); **D01D 5/253** (2006.01); **D01D 5/34** (2006.01); **D01F 1/09** (2006.01); **D01F 8/06** (2006.01); **D01F 8/12** (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP)
D01D 5/253 (2013.01); **D01D 5/34** (2013.01); **D01F 1/09** (2013.01)

Citation (search report)
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• [YD] US 3803453 A 19740409 - HULL D
• [A] US 4207376 A 19800610 - HIGUCHI [JP], et al
• [YP] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 472 (C-647)[3820], 25th October 1989; & JP-A-1 183 519 (TEIJIN LTD) 21-07-1989
• [Y] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 15 (C-559)[3363], 13th January 1989; & JP-A-63 219 627 (TEIJIN LTD) 13-09-1988

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DOCDB simple family (application)
EP 90109451 A 19900518; CA 2017201 A 19900518; CN 90103812 A 19900522; DE 69013395 T 19900518; JP 13011290 A 19900519; SU 4743975 A 19900521