

Title (en)
POLYETHYLENE MULTIFILAMENT YARN.

Title (de)
POLYÄTHYLEN-MULTIFILAMENT-GARN.

Title (fr)
FIL MULTIFILAMENT EN POLYETHYLENE.

Publication
EP 0213208 A1 19870311 (EN)

Application
EP 86901136 A 19860206

Priority
JP 2619385 A 19850215

Abstract (en)
Novel polyethylene multifilament yarn having high strength and high modulus and being substantially free from cohesion between single yarns is provided by a novel process which comprises employing a dry-wet spinning or gel-wet spinning method, drying single yarns containing an extractant separately from each other by vibrating them using a turbulent air flow, and heat-treating them under tension at temperatures in a specific range before drawing.

Abstract (fr)
Un nouveau fil multifilament en polyéthylène présentant une résistance et un module élevés et étant pratiquement exempt d'adhérence entre les fils simples est obtenu par un nouveau procédé qui consiste à employer un filage à sec/au mouillé ou un filage au gel/au mouillé, à sécher des fils simples contenant un extracteur séparément les uns des autres en les faisant vibrer au moyen d'un flux d'air turbulent et en les soumettant, avant étirage, à un traitement thermique sous tension à des températures comprises dans une plage spécifique.

IPC 1-7
D01D 5/00; **D01D 10/06**; **D01F 6/04**

IPC 8 full level
D01D 5/00 (2006.01); **D01D 10/06** (2006.01); **D01F 6/04** (2006.01)

CPC (source: EP)
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