

Title (en)
Bowstring.

Title (de)
Sehne für einen Bogen.

Title (fr)
Corde pour un arc.

Publication
EP 0270707 A1 19880615 (EN)

Application
EP 86202166 A 19861204

Priority
EP 86202166 A 19861204

Abstract (en)
Bowstring comprising filaments having a tensile strength ≥ 2 GPa and a modulus ≥ 20 GPa on the basis of linear polyethylene having an Mw of $\geq 5 \times 10^5$ kg/Kmol. Preferably the filaments are obtained by thermoreversible gelation of a polyethylene solution followed by stretching. The bowstring obtained shows very low elongation, a high arrow velocity and an extremely long life.

IPC 1-7
D01F 6/04

IPC 8 full level
D01F 6/04 (2006.01); **F41B 5/00** (2006.01)

CPC (source: EP)
D01F 6/04 (2013.01); **F41B 5/1411** (2013.01)

Citation (search report)

- [YD] GB 2051667 A 19810121 - STAMICARBON
- [YD] EP 0055001 A1 19820630 - STAMICARBON [NL]
- [YD] EP 0077590 A1 19830427 - STAMICARBON [NL]
- [XE] NL 8501775 A 19870116 - STAMICARBON
- [X] 25. INTERNATIONALE CHEMIEFASERTAGUNG, Dornbirn, 24th-26th September 1986, pages 1-35, AT; R, KIRSCHBAUM et al.: "High strength/high modulus polyethylene fibers"

Cited by
US5749214A

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0270707 A1 19880615

DOCDB simple family (application)
EP 86202166 A 19861204