

Title (en)
STRING FOR USE IN RACKET

Title (de)
SAITE ZUR VERWENDUNG IN EINEM SCHLÄGER

Title (fr)
CORDAGE POUR UTILISATION DANS UNE RAQUETTE

Publication
EP 3909654 A1 20211117 (EN)

Application
EP 21169504 A 20210420

Priority
JP 2020083299 A 20200511

Abstract (en)
A method of manufacturing a string 10 for use in a racket includes: (A) preparing an untreated string; and (B) irradiating the untreated string with radioactive rays. Preferably, the untreated string is irradiated with gamma rays. A preferable irradiation amount of the radioactive rays is greater than or equal to 250 kGy but less than or equal to 2000 kGy. Preferably, a material of the untreated string is polyester. Alternatively, the material of the untreated string may be nylon.

IPC 8 full level
A63B 51/02 (2015.01); **A63B 102/02** (2015.01); **A63B 102/04** (2015.01); **A63B 102/06** (2015.01)

CPC (source: EP US)
A63B 51/02 (2013.01 - EP US); **D06M 10/008** (2013.01 - US); **A63B 49/10** (2013.01 - US); **A63B 60/14** (2015.10 - US); **A63B 2102/02** (2015.10 - EP); **A63B 2102/04** (2015.10 - EP); **A63B 2102/06** (2015.10 - EP); **A63B 2209/00** (2013.01 - EP); **A63B 2209/02** (2013.01 - US); **D06M 2101/32** (2013.01 - US); **D06M 2101/34** (2013.01 - US)

Citation (applicant)
JP 2009226107 A 20091008 - TORAY MONOFILAMENT CO

Citation (search report)
• [X1] CN 1170606 C 20041013 - GOSEN KK [JP]
• [X1] US 4586708 A 19860506 - SMITH FRANCIS S [GB], et al
• [A] WO 2020031529 A1 20200213 - GOSEN KK [JP]
• [A] EP 0319191 A2 19890607 - GOSEN KK [JP]

Citation (third parties)
Third party : Anonymous
US RE30555 E 19810324

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3909654 A1 20211117; JP 2021177820 A 20211118; US 2021346769 A1 20211111

DOCDB simple family (application)
EP 21169504 A 20210420; JP 2020083299 A 20200511; US 202117237114 A 20210422