

Title (en)

CORE FOR RACKET STRING, RACKET STRING COMPRISING SUCH A CORE AND CORRESPONDING MANUFACTURING METHOD

Title (de)

KERN FÜR SCHLÄGERSAITEN, SCHLÄGERSAITE MIT SOLCH EINEM KERN UND ZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)

AME POUR CORDE DE RAQUETTE, CORDE POUR RAQUETTE COMPRENANT UNE TELLE AME ET PROCEDE DE FABRICATION CORRESPONDANT

Publication

**EP 2482937 A1 20120808 (FR)**

Application

**EP 10777049 A 20100930**

Priority

- FR 0956853 A 20091001
- FR 2010052062 W 20100930

Abstract (en)

[origin: WO2011039482A1] This core (2) for a racket string, in particular for a tennis racket string, comprises a thermoplastic matrix (24) in which filaments (22) are embedded, at least one of these filaments being of natural origin and the thermoplastic matrix (24) being made of a material which, at a temperature lower than a threshold temperature, at which the filaments (22) are not substantially damaged, has a viscosity making it suitable for an extrusion process. The matrix (24) comprises a plurality of strands that are helically twisted in a first direction, each of the strands comprising a plurality of filaments (22) of natural origin that are helically twisted in a second direction, which is or is not opposite to the first direction.

IPC 8 full level

**A63B 51/02** (2015.01); **B29C 53/14** (2006.01); **B29C 70/52** (2006.01); **D01D 5/24** (2006.01); **D02G 3/04** (2006.01); **D02G 3/40** (2006.01); **D02G 3/44** (2006.01)

CPC (source: EP US)

**A63B 51/02** (2013.01 - EP US); **B29C 70/521** (2013.01 - EP US); **D02G 3/444** (2013.01 - EP US); **A63B 2209/023** (2013.01 - EP US); **B29L 2031/5245** (2013.01 - EP US)

Citation (search report)

See references of WO 2011039482A1

Citation (examination)

- US 6183499 B1 20010206 - FISCHER JEROME A [US], et al
- US 3050431 A 19620821 - CRANDALL JULIAN T
- US 2401291 A 19460528 - SMITH ALBERT F

Designated contracting state (EPC)

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DOCDB simple family (publication)

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