

Title (en)
STRING SET, WARP STRING, AND WEFT STRING

Title (de)
FADENSATZ, KETTFADEN UND SCHUSSFADEN

Title (fr)
ENSEMBLE CORDE, CORDE DE CHAÎNE, ET CORDE DE TRAME

Publication
EP 3449983 A4 20200122 (EN)

Application
EP 17789031 A 20170222

Priority
• JP 2016089286 A 20160427
• JP 2017006675 W 20170222

Abstract (en)
[origin: EP3449983A1] To provide a string set that ensures improving a hairpin performance and a cut smash performance. A string set (20) is a string set strung on a racket as a main string and a cross string, and is configured to include a first string (22) strung as any one of the main string and the cross string and has a small friction force and a small diameter and a second string (21) strung as another one of the main string and the cross string and has a larger friction force and a larger diameter than the diameter and the surface friction force of the first string. This distributes functions to the first string and the second string to obtain both the hairpin performance, which is improved by the large surface friction force and outer diameter of the string, and the cut smash performance, which is improved by the small surface friction force and outer diameter of the string, at the same time.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
• [Y] US 5913740 A 19990622 - MIKLOS EDWARD J [US]
• [A] WO 2016050795 A1 20160407 - MONSMA RES BV [NL]
• [A] WO 9308880 A1 19930513 - FERRARI IMPORTING CO [US]
• [XYI] TENNIS EXPRESS: "Gamma Glide String Review | Tennis Express", YOUTUBE, 4 July 2014 (2014-07-04), pages 2 pp., XP054980025, Retrieved from the Internet <URL:https://youtu.be/NSJTPkaA_L4> [retrieved on 20191209] & GAMMA TENNIS: "GAMMA Glide_Live Wire XP vs Glide/XP Hybrid", YOUTUBE, 7 May 2015 (2015-05-07), pages 2 pp., XP054980035, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=tvu5s452WiY&feature=youtu.be> [retrieved on 20191210]
• See also references of WO 2017187742A1

Designated contracting state (EPC)
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EP 3449983 A1 20190306; EP 3449983 A4 20200122; CN 109069907 A 20181221; CN 109069907 B 20210806; JP 2017196148 A 20171102; JP 6812053 B2 20210113; KR 102668581 B1 20240524; KR 20190022457 A 20190306; MY 191299 A 20220614; US 2019118045 A1 20190425; WO 2017187742 A1 20171102

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