Title (en)
  Slide fastener tape

Title (de)
  Reissverschlussband

Title (fr)
  Un ruban de fermeture à glissière

Publication
  EP 1442671 B1 20130417 (EN)

Application
  EP 04001666 A 20040127

Priority
  JP 2003019094 A 20030128

Abstract (en)
  [origin: EP1442671A1] At least part of constituent yarns (6a, 6b, 16a) extending in a warp direction outside and adjacent a core thread (7a, 7b, 17) woven or knitted in an element attachment edge portion (4) has a higher elongation recovery ratio R than all the other constituent yarns (6c to 6n, 6o-1, 6o-2, 16b to 16n) and the core threads (7a, 7b, 17) extending in the warp direction, the elongation recovery ratio R being expressed by a following equation based on a measurement according to JIS L1096: $R = \left[(L1 - L2)/(L1 - L0)\right] \times 100$ where L0 is an original length of yarn, L1 is a length of yarn when pulled under a predetermined tension and L2 is a length of yarn after the elongation is recovered under no tension. After elements are mounted, this fastener tape is formed to have a positive pucker condition in which its element attachment edge portion is dented and curved while its tape main body is slightly waved. Consequently, it is possible to construct a woven/knitted fastener stringer capable of securing linearity after this fastener tape is sewed to object clothes. <IMAGE>

IPC 8 full level
  A44B 19/34 (2006.01); **A44B 19/52** (2006.01); **A44B 19/54** (2006.01); **A44B 19/56** (2006.01); **D03D 1/00** (2006.01); **D03D 15/04** (2006.01); **D03D 15/08** (2006.01); **D03D 15/56** (2021.01); **D03D 15/567** (2021.01); **D04B 21/20** (2006.01)

CPC (source: EP KR US)
  A44B 19/346 (2013.01 - EP US); **D03D 15/567** (2021.01 - EP US); **F02M 37/0011** (2013.01 - KR); **F02M 37/02** (2013.01 - KR); D10B 2501/0631 (2013.01 - EP US)

Cited by
  EP2554074A4

Designated contracting state (EPC)
  DE ES FR GB IT

DOCDB simple family (publication)
  EP 1442671 A1 20040804; **EP 1442671 B1 20130417**; CN 1248616 C 20060405; CN 1517041 A 20040804; ES 2413005 T3 20130715; HK 1064262 A1 20050128; JP 2004229729 A 20040819; JP 4064251 B2 20080319; KR 100554345 B1 20060222; KR 20040069266 A 20040805; TW 200417336 A 20040916; TW I237555 B 20050811; US 2004173276 A1 20040909

DOCDB simple family (application)
  EP 04001666 A 20040127; CN 200410002476 A 20040120; ES 04001666 T 20040127; HK 04107110 A 20040917; JP 2003019094 A 20030128; KR 20040003677 A 20040119; TW 93101049 A 20040115; US 75505604 A 20040108