

Title (en)  
Knit slide fastener

Title (de)  
Gewirkter Reissverschluss

Title (fr)  
Fermeture à glissière tricotée

Publication  
**EP 0719508 A3 19970205 (EN)**

Application  
**EP 95109050 A 19950612**

Priority  
JP 34093694 A 19941228

Abstract (en)  
[origin: EP0719508A2] A knit slide fastener including a fastener tape (1) composed of a warp-knit ground structure including chain stitches, and a row of continuous coupling elements (5) knit into and along an element-supporting portion (2) of the fastener tape (1) as the fastener tape (1) is knit, wherein a plurality of threads (10) are knit into the element-supporting portion (2) as binding chain stitches, so as to form a group of successive longitudinally interlocked needle loops appearing on the front side and arranged such that in every two adjacent courses (4), the preceding needle loop (12a) overlies an upper leg (6) of one coupling element (5), and the succeeding needle loop (12b) is disposed in a space between the coupling element (5) and an adjacent coupling element (5) at a position close to the ground structure so as to bend or flex the preceding needle loop (12a) into an inverted U shape extending embracingly over the upper and lower legs (6, 7) of the coupling element (5). With this arrangement, the row of coupling elements (5) can be firmly secured to the ground structure of the fastener tape (1) with high dimensional stability, and can always retain a stable attachment posture to insure the functions required in the slide fastener. <IMAGE>

IPC 1-7  
**A44B 19/34**

IPC 8 full level  
**A44B 19/56** (2006.01); **A44B 19/34** (2006.01)

CPC (source: EP KR)  
**A44B 19/34** (2013.01 - KR); **A44B 19/343** (2013.01 - EP); **A44B 19/56** (2013.01 - KR); **D04B 21/16** (2013.01 - EP); **D10B 2401/04** (2013.01 - EP); **D10B 2501/0631** (2013.01 - EP)

Citation (search report)

- [A] DE 3026487 C1 19840802 - HEILMANN OPTILON
- [AD] US 5035125 A 19910730 - FROEHLICH ALFONS [DE], et al
- [AD] JP S3811673 B1

Cited by  
EP1048238A3; CZ304993B6

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DE ES FR GB IT

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**EP 0719508 A2 19960703; EP 0719508 A3 19970205; EP 0719508 B1 20000329**; BR 9502250 A 19970805; CN 1084179 C 20020508; CN 1124122 A 19960612; DE 69515974 D1 20000504; DE 69515974 T2 20001109; ES 2143566 T3 20000516; HK 1010638 A1 19990625; JP 3338996 B2 20021028; JP H08182512 A 19960716; KR 0134678 B1 19980418; KR 960020841 A 19960718; TW 319024 U 19971101

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**EP 95109050 A 19950612**; BR 9502250 A 19950620; CN 95107011 A 19950621; DE 69515974 T 19950612; ES 95109050 T 19950612; HK 98111457 A 19981022; JP 34093694 A 19941228; KR 19950058723 A 19951227; TW 85212675 U 19950609