

Title (en)  
Low weight terry knitwear

Title (de)  
Leichtgewicht-Schlingengewirk

Title (fr)  
Tissu tricoté à boucles de faible grammage

Publication  
**EP 1043436 B1 20030604 (FR)**

Application  
**EP 00400844 A 20000328**

Priority  
FR 9903954 A 19990330

Abstract (en)

[origin: EP1043436A1] The loop knit lightweight fabric has a base of warps or wales of stitches (8,9) to form a network of wales parallel to each other, held together by wefts (6). The loops (14), knitted into the base material, each have two feet (12,13) knitted into the base material and their legs form the loops. The bond between the wefts (6) and the wales (8,9) is formed by initially knitting a stitch of a leading wale (11) following a bonding weft, and then a second stitch (7) at a second wale (8) following a bonding stitch. Then there is a third stitch (15) of a third wale following a second weft, and a fourth stitch (9) of a fourth wale (8) following a bonding stitch and a fifth stitch (10) which matches the first stitch of a cycle which follows a weft insertion. The second and fourth wales are part of the network forming the base fabric, between the first and third wales. The two feet of a loop are knit into the second and fourth stitches respectively. Each wale of stitches is formed by a cycle of four stitches. They are formed alternately where two stitches are moved by the needles in a right/left or left/right direction, while the other two stitches are moved in the opposite directions. The second (and fourth (9) stitches are at the same wale, where the second and fourth wales form the same single wale (8), separated from each other by a stitch which corresponds to a first (10) and third (15) stitch in the weft cycle. Each loop (14) has a foot (12) knit into a second stitch with a needle bar movement to the peak of cast-off, where the needle is between two of the consecutive third stitches at a minimum gap between the wales of third stitches. The other foot (13) of the loop is knitted into a fourth stitch at the other side, similar to the first. The knitting and weft yarns have a thickness of 1-60 dtex, and pref. 12-45 dtex, such as wefts 22 dtex and knitting yarns of 12 dtex. The loop yarns have a thickness of 30-60 dtex, such as 44 dtex.

IPC 1-7  
**D04B 21/02; A44B 18/00**

IPC 8 full level  
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Cited by  
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