

Title (en)  
Shaping

Title (de)  
Spickeln

Title (fr)  
Façonner

Publication  
**EP 1069221 B1 20050119 (DE)**

Application  
**EP 00119914 A 19970418**

Priority  
• DE 19616003 A 19960418  
• EP 97922857 A 19970418

Abstract (en)  
[origin: DE19616003A1] A process is disclosed for producing three-dimensional knitted fabrics. The number of stitches (18, 20) is diminished by hanging them in part of the needle bed on needles closer to the centre of the knitted fabric and then by knitting them again. The number of stitches (18, 20) is augmented by hanging them in part of the needle bed on needles further removed from the centre of the knitted fabric and then by knitting them again. Alternatively, needles in part of the needle bed may be inactivated on at least one row of stitches, then activated again.

IPC 1-7  
**D04B 1/22**

IPC 8 full level  
**D04B 1/00** (2006.01); **D04B 1/22** (2006.01); **D04B 7/10** (2006.01)

CPC (source: EP US)  
**D04B 1/108** (2013.01 - EP US); **D04B 1/22** (2013.01 - EP US); **D10B 2403/032** (2013.01 - EP US); **D10B 2403/0332** (2013.01 - EP US)

Cited by  
CN106012279A

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19616003 A1 19971023**; DE 59711118 D1 20040122; DE 59711836 D1 20040909; DE 59711963 D1 20041028; DE 59712174 D1 20050224; DE 59712175 D1 20050224; EP 0904439 A1 19990331; EP 1069221 A2 20010117; EP 1069221 A3 20010214; EP 1069221 B1 20050119; EP 1074647 A2 20010207; EP 1074647 A3 20010214; EP 1074647 B1 20040922; EP 1074648 A2 20010207; EP 1074648 A3 20010214; EP 1074648 B1 20040804; EP 1074649 A2 20010207; EP 1074649 A3 20010228; EP 1074649 B1 20031210; EP 1074650 A2 20010207; EP 1074650 A3 20010214; EP 1074650 B1 20050119; JP 2001501259 A 20010130; US 2001001925 A1 20010531; US 6116057 A 20000912; US 6233976 B1 20010522; US 6308536 B2 20011030; WO 9740220 A1 19971030

DOCDB simple family (application)  
**DE 19616003 A 19960418**; DE 59711118 T 19970418; DE 59711836 T 19970418; DE 59711963 T 19970418; DE 59712174 T 19970418; DE 59712175 T 19970418; DE 9700791 W 19970418; EP 00119899 A 19970418; EP 00119900 A 19970418; EP 00119911 A 19970418; EP 00119912 A 19970418; EP 00119914 A 19970418; EP 97922857 A 19970418; JP 53759397 A 19970418; US 17137199 A 19990308; US 51119900 A 20000223; US 75732501 A 20010109