

Title (en)
Needle with transfer spring

Title (de)
Nadel mit Umhängefeder

Title (fr)
Aiguille à ressort de transfert

Publication
EP 1375721 B1 20070704 (DE)

Application
EP 03011876 A 20030527

Priority
DE 10227533 A 20020620

Abstract (en)
[origin: EP1375721A1] The stitch transfer needle (1), for a knitter, has a needle body (2) with two flat sides (6,7) bonded together by narrow sides (5,8) at the top and the side. A narrow slit (16) opens at one of the narrow sides, extending in the needle body parallel or at an acute angle to the flat sides. A rectangular mounting section (21) of the stitch transfer spring (14) is held in the slit in a positive fit and/or a force fit and/or a fused fit.

IPC 8 full level
D04B 15/02 (2006.01); **D04B 35/02** (2006.01)

CPC (source: EP KR US)
D04B 35/02 (2013.01 - EP KR US)

Designated contracting state (EPC)
DE FR GB IT TR

DOCDB simple family (publication)
EP 1375721 A1 20040102; EP 1375721 B1 20070704; CN 1304670 C 20070314; CN 1470697 A 20040128; DE 10227533 C1 20031211; DE 50307601 D1 20070816; JP 2004027472 A 20040129; JP 4108549 B2 20080625; KR 100972521 B1 20100728; KR 101014549 B1 20110216; KR 20030097698 A 20031231; KR 20100045429 A 20100503; US 2003233853 A1 20031225; US 6807831 B2 20041026

DOCDB simple family (application)
EP 03011876 A 20030527; CN 03149042 A 20030619; DE 10227533 A 20020620; DE 50307601 T 20030527; JP 2003176998 A 20030620; KR 20030039760 A 20030619; KR 20100033224 A 20100412; US 46359103 A 20030618