

Title (en)
STITCHING DEVICE

Publication
EP 0399322 B1 19930728 (DE)

Application
EP 90108997 A 19900512

Priority
CH 196389 A 19890525

Abstract (en)
[origin: EP0399322A2] The shaft (14) is mounted so as to be swivellable on the bearing part (12) of the stitching head (10). Seated so as not to rotate on said shaft is the ram (18) which can be swivelled through 180 DEG in the clockwise direction from the staple setting position (18') shown in the figure to receive a wire portion from a wire portion dispenser. The wire portion received by the ram (18) is formed on a block into a staple (28), the lateral arms (28") of which are guided in grooves of the ram arms (20). In the staple setting position (18'), the staple (28') is ejected from the ram (18) by means of the ejector (54). <IMAGE>

IPC 1-7
B25C 5/04; B27F 7/21; B42B 4/00

IPC 8 full level
B42B 5/06 (2006.01); **B25C 5/04** (2006.01); **B27F 7/21** (2006.01); **B42B 4/00** (2006.01); **B42B 4/02** (2006.01)

CPC (source: EP US)
B42B 4/00 (2013.01 - EP US)

Cited by
DE102006013171A1; DE102005044707A1; US7913378B2; US7337937B2; WO2007053964A1; US7900902B2; US8246031B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0399322 A2 19901128; EP 0399322 A3 19910724; EP 0399322 B1 19930728; AT E91979 T1 19930815; AU 5590690 A 19901129; AU 622555 B2 19920409; CA 2017441 A1 19901125; DD 298365 A5 19920220; DE 59002073 D1 19930902; DK 0399322 T3 19930830; ES 2042139 T3 19931201; FI 902604 A0 19900524; FI 98351 B 19970228; FI 98351 C 19970610; JP 3277252 B2 20020422; JP H0316701 A 19910124; NO 172528 B 19930426; NO 172528 C 19930804; NO 902256 D0 19900522; NO 902256 L 19901126; RU 1834816 C 19930815; US 5098002 A 19920324

DOCDB simple family (application)
EP 90108997 A 19900512; AT 90108997 T 19900512; AU 5590690 A 19900524; CA 2017441 A 19900524; DD 34095490 A 19900523; DE 59002073 T 19900512; DK 90108997 T 19900512; ES 90108997 T 19900512; FI 902604 A 19900524; JP 13695090 A 19900525; NO 902256 A 19900522; SU 4743867 A 19900524; US 52873590 A 19900523