

Title (en)
Buttonhole darning sewing machine

Title (de)
Knopflochnähmaschine

Title (fr)
Machine à coudre les boutonsnières

Publication
EP 0887452 B1 20021002 (EN)

Application
EP 98111679 A 19980625

Priority
JP 17264997 A 19970627

Abstract (en)
[origin: EP0887452A2] There is provided needle drop control means which, when a sewing machine stop signal is generated, sets a needle 9 stop position on the more right side than a cloth cutting knife 16 with respect to an operator. The needle drop control means, when the formation of buttonhole darning stitches is completed, sets the needle 9 stop position on the more right side than a cloth cutting knife 16 with respect to the operator. The needle drop control means includes electrical drive means for moving a needle 9 to a given position existing in the right and left direction, and a control circuit for giving a drive instruction to the electrical drive means to stop the needle 9 at the given position, that is, the given needle stop position. <IMAGE>

IPC 1-7
D05B 3/06; D05B 69/22

IPC 8 full level
D05B 3/02 (2006.01); **D05B 3/06** (2006.01); **D05B 19/14** (2006.01); **D05B 37/02** (2006.01); **D05B 69/22** (2006.01); **D05B 69/24** (2006.01)

CPC (source: EP)
D05B 3/06 (2013.01); **D05B 19/14** (2013.01); **D05B 69/22** (2013.01); **D05B 69/24** (2013.01)

Cited by
CN100395393C; DE19951127A1; DE19951127C2; DE10165087B3

Designated contracting state (EPC)
DE

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EP 0887452 A2 19981230; **EP 0887452 A3 19990811**; **EP 0887452 B1 20021002**; CN 1140660 C 20040303; CN 1207425 A 19990210; DE 69808381 D1 20021107; DE 69808381 T2 20030703; JP 4026886 B2 20071226; JP H119861 A 19990119; TW 402649 B 20000821

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