

Title (en)  
Buttonhole darning sewing machine

Title (de)  
Knopflochnähmaschine

Title (fr)  
Machine à coudre les boutonsnières

Publication  
**EP 0887452 A2 19981230 (EN)**

Application  
**EP 98111679 A 19980625**

Priority  
JP 17264997 A 19970627

Abstract (en)  
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

DOCDB simple family (publication)  
**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

DOCDB simple family (application)  
**EP 98111679 A 19980625**; CN 98117416 A 19980627; DE 69808381 T 19980625; JP 17264997 A 19970627; TW 87110364 A 19980626