

Title (en)  
Industrial sewing machine with an electronic control device

Title (de)  
Industrienähmaschine mit einer elektronischen Steuereinrichtung

Title (fr)  
Machine à coudre industrielle à dispositif de commande électronique

Publication  
**EP 0445316 B1 19960508 (DE)**

Application  
**EP 90104202 A 19900305**

Priority  
EP 90104202 A 19900305

Abstract (en)  
[origin: EP0445316A1] An industrial sewing machine possesses an electronic control device which initiates and controls one of various functions, for example label insertion, cutting, etc., as a function of the seam length currently being produced. Each seam-length portion is defined by the product of the stitch length and number of stitches. For this, the control device processes one or more entered stitch lengths, and desired-length data entered for each seam-length portion, to the effect that the length data are divided by the particular associated stitch length, in order to obtain the correct number of stitches for each seam-length portion. This number of stitches is then calculated for each stored seam-length portion, specifically separately for the corresponding seam-length portions of the individual dress sizes of the article. For correction, a correction value is likewise entered, for example in mm, so that the stored seam-length portions are corrected by a factor, with the result that the stitch length is varied. To enter the desired-length data and the correction values, a key pad (19, 21), in conjunction with a display (7), is provided in a housing (15) of the control device. Storage of the seam-length portions for any particular dress article is carried out in a plug-in storage module (17). <IMAGE>

IPC 1-7  
**D05B 19/00**; **D05B 69/20**

IPC 8 full level  
**D05B 3/02** (2006.01); **D05B 19/00** (2006.01); **D05B 21/00** (2006.01); **D05B 27/22** (2006.01); **D05B 69/20** (2006.01)

CPC (source: EP US)  
**D05B 19/08** (2013.01 - EP US); **D05B 69/20** (2013.01 - EP US)

Cited by  
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AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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**EP 0445316 A1 19910911**; **EP 0445316 B1 19960508**; AT E137819 T1 19960515; BR 9100864 A 19911105; DE 59010318 D1 19960613; ES 2026441 T1 19920501; JP H04220286 A 19920811; US 5636583 A 19970610

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