

Title (en)

A linear motor control device for driving knitting head components of a knitting machine

Title (de)

Steuervorrichtung für einen Linearmotor zum Betrieb von Strickkomponenten einer Strickmaschine

Title (fr)

Dispositif de controle d'un moteur lineaire pour l'entrainement des composants de tricotage d'un métier à tricoter

Publication

**EP 1061168 A1 20001220 (EN)**

Application

**EP 00111968 A 20000616**

Priority

JP 17035199 A 19990616

Abstract (en)

A drive control circuit (21), a driving circuit (22) and a pole position detector (22a) are combined together and connected to a knitting control unit (10). When a stop switch (SW2) is operated, for instance, the knitting control unit (10) causes the drive control circuit (21) and the driving circuit (22) to move a knitting head assembly (W) to its rearward movement limit and outputs a clear signal (S5). Upon receiving the clear signal (S5), the driving circuit (22) outputs a reset signal (S7) to the pole position detector (22a), so that relative position (y) of magnetic poles of a stator (M1) and the movable part (M2) detected by the pole position detector (22a) by using a sensor (A) is properly corrected. <IMAGE>

IPC 1-7

**D04B 15/32**; **D04B 15/56**

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Citation (search report)

- [A] EP 0916759 A2 19990519 - TSUDAKOMA IND CO LTD [JP]
- [A] EP 0821091 A2 19980128 - TSUDAKOMA IND CO LTD [JP]
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