

Title (en)

MONITORING CONTROL DEVICE WITH REAL TIME DATA SAMPLING FOR MACHINE USED IN THE CABLE INDUSTRY

Title (de)

ÜBERWACHUNGSVORRICHTUNG MIT ECHTZEITDATENABTASTUNG FÜR VERSEILMASCHINE

Title (fr)

DISPOSITIF DE CONTROLE COMMANDE AVEC PRISE D'INFORMATION EN TEMPS REEL POUR UNE MACHINE UTILISEE DANS L'INDUSTRIE DE LA CABLERIE

Publication

EP 1053366 A1 20001122 (FR)

Application

EP 98902045 A 19980108

Priority

FR 9800028 W 19980108

Abstract (en)

[origin: US6330787B1] The monitoring and control device with real time data sampling comprises an optical measuring apparatus, a processing circuit with microprocessor, and an external control means. The microprocessor receives and samples data coming from the optical measuring apparatus to know the position of the wire element and its mechanical vibration behavior in real time before it is wound onto the main cable. An EPROM memory is programmed to generate a self-correction function should a drift of the position and vibration data of the wire element occur. The first motor, the second motor, and the mechanical tensioning means are controlled to re-establish optimum operation of the assembly machine.

IPC 1-7

D07B 7/14

IPC 8 full level

D04C 3/38 (2006.01); **D07B 7/14** (2006.01)

CPC (source: EP KR US)

D07B 7/14 (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

WO 9935329 A1 19990715; AT E239818 T1 20030515; AU 5869598 A 19990726; AU 742355 B2 20020103; CA 2317497 A1 19990715; CN 1090699 C 20020911; CN 1285886 A 20010228; DE 69814472 D1 20030612; DE 69814472 T2 20040513; EP 1053366 A1 20001122; EP 1053366 B1 20030507; JP 2002500291 A 20020108; KR 20010033937 A 20010425; MX PA00006615 A 20041203; RU 2194817 C2 20021220; US 6330787 B1 20011218

DOCDB simple family (application)

FR 9800028 W 19980108; AT 98902045 T 19980108; AU 5869598 A 19980108; CA 2317497 A 19980108; CN 98812997 A 19980108; DE 69814472 T 19980108; EP 98902045 A 19980108; JP 2000527704 A 19980108; KR 20007007520 A 20000707; MX PA00006615 A 19980108; RU 2000120676 A 19980108; US 58203500 A 20000621