

Title (en)

Device and method for synchronizing processes running in several units

Title (de)

Vorrichtung und Verfahren zur Synchronisation von an mehreren Einheiten ablaufenden Prozessen

Title (fr)

Dispositif et procédé pour synchroniser des opérations se déroulant dans plusieurs unités

Publication

**EP 1211070 A3 20030827 (DE)**

Application

**EP 01126527 A 20011114**

Priority

DE 10059270 A 20001129

Abstract (en)

[origin: EP1211070A2] The method of synchronizing processes in a paper making machine has a central control for producing a system cycle (7), with a free line for the field bus (10) to distribute the system phases to the processing stations. A further processor (11) for multiplying the system phases is provided. The circuit can use sensors to detect values for the rotational speed, angular position the acceleration of the machine.

IPC 1-7

**B41F 33/00**; **G04G 7/00**

IPC 8 full level

**G06F 1/12** (2006.01); **B41F 33/00** (2006.01); **G04G 7/00** (2006.01); **G05B 15/02** (2006.01); **G06F 1/10** (2006.01)

CPC (source: EP US)

**B41F 33/00** (2013.01 - EP US); **G04G 7/00** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0747216 A2 19961211 - ROLAND MAN DRUCKMASCH [DE]
- [A] EP 0327083 A2 19890809 - LICENTIA GMBH [DE]
- [A] US 5691660 A 19971125 - BUSCH ROBERT EDWARD [US], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1211070 A2 20020605**; **EP 1211070 A3 20030827**; **EP 1211070 B1 20100630**; **EP 1211070 B2 20130116**; AT E472407 T1 20100715; CN 1272173 C 20060830; CN 1356208 A 20020703; CZ 20013655 A3 20020717; CZ 303068 B6 20120321; DE 10059270 A1 20020606; DE 10059270 B4 20120802; DE 50115536 D1 20100812; HK 1047726 A1 20030307; HK 1047726 B 20070223; JP 2002258980 A 20020913; JP 4078065 B2 20080423; US 2002111696 A1 20020815; US 6948085 B2 20050920

DOCDB simple family (application)

**EP 01126527 A 20011114**; AT 01126527 T 20011114; CN 01139738 A 20011127; CZ 20013655 A 20011010; DE 10059270 A 20001129; DE 50115536 T 20011114; HK 02109458 A 20021231; JP 2001362587 A 20011128; US 99798101 A 20011129