

Title (en)

STATIC PRESSURE CONTROL METHOD IN AUTOMATIC WINDER AND AUTOMATIC WINDER

Title (de)

STATISCHES DRUCKREGELUNGSVERFAHREN IN EINEM AUTOMATISCHEN WICKLER UND AUTOMATISCHER WICKLER

Title (fr)

PROCÉDÉ DE COMMANDE DE LA PRESSION STATIQUE DANS UN ENROULEUR AUTOMATIQUE ET ENROULEUR AUTOMATIQUE

Publication

**EP 3511274 A1 20190717 (EN)**

Application

**EP 18212232 A 20181213**

Priority

JP 2018004894 A 20180116

Abstract (en)

A static pressure control method includes a startup process of activating a suction blower (41) so that a static pressure of a suction airflow becomes higher than a predetermined set value (P1) at a time of startup of a plurality of winding units (2); an initial feedback process of feedback controlling a frequency of the suction blower (41) to lower the static pressure of the suction airflow to the set value (P1) after the startup process; and a normal feedback process of feedback controlling the frequency of the suction blower to maintain the static pressure of the suction airflow at the set value (P1) after the initial feedback process. A control period in the initial feedback process is shorter than a control period in the normal feedback process.

IPC 8 full level

**B65H 54/22** (2006.01); **B65H 54/70** (2006.01)

CPC (source: CN EP)

**B65H 54/20** (2013.01 - CN); **B65H 54/22** (2013.01 - EP); **B65H 54/707** (2013.01 - EP); **B65H 63/00** (2013.01 - CN); **B65H 67/081** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)

JP H0240759 U 19900320

Citation (search report)

- [AD] JP H0240759 U 19900320
- [A] US 4988049 A 19910129 - KONISHI YUJI [JP]
- [A] DE 19511960 A1 19961002 - SCHLAFHORST & CO W [DE]
- [A] EP 2053006 A2 20090429 - MURATA MACHINERY LTD [JP]
- [A] US 5934060 A 19990810 - SCHMITZ WILHELM [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3511274 A1 20190717**; **EP 3511274 B1 20210203**; CN 110040572 A 20190723; CN 110040572 B 20220405; JP 2019123587 A 20190725

DOCDB simple family (application)

**EP 18212232 A 20181213**; CN 201811551805 A 20181218; JP 2018004894 A 20180116