

Title (en)
ASSEMBLY FOR CONTROLLING THE POSITION OF A ROLL OR THE NIP PRESSURE OF A ROLL NIP OF A FIBROUS MATERIAL WEB MACHINE

Title (de)
ANORDNUNG ZUR REGELUNG DER POSITION EINER WALZE ODER DES SPALTDRUCKS EINES WALZENSALTS EINER FASERSTOFFBAHNMASCHINE

Title (fr)
AGENCEMENT POUR LE REGLAGE DE LA POSITION D'UN CYLINDRE OU DE LA PRESSION DANS L'ECARTEMENT DES CYLINDRES, D'UNE MACHINE DE PRODUCTION DE BANDES DE MATIERE FIBREUSE

Publication
EP 2516737 A1 20121031 (DE)

Application
EP 10763181 A 20101005

Priority
• DE 102009055308 A 20091223
• EP 2010064840 W 20101005

Abstract (en)
[origin: WO2011076453A1] The invention relates to an assembly for controlling the position of a roll or the gap pressure of a roll gap, in particular in a fiber web machine, for example a paper, cardboard or tissue machine. The assembly according to the invention comprises at least one actuator (4, 5) driven by fluid pressure for varying the roll position or the roll gap pressure, at least one digital valve regulator (1) connected to the at least one actuator (4, 5) or to a plurality of actuators (4, 5) that are driven by fluid pressure, and at least one first digital, normally open shut-off valve (15, 16, 17, 18). The at least one shut-off valve (15, 16, 17, 18) is provided between the regulator and the actuator, and the at least one pressure regulator comprises a plurality of digital valves and can control a fluid pressure and/or a fluid flow. The invention further relates to related control methods and diagnostic and maintenance methods.

IPC 8 full level
D21F 3/06 (2006.01); **D21G 1/00** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP)
D21F 3/06 (2013.01); **D21G 1/004** (2013.01); **D21G 9/0036** (2013.01)

Citation (search report)
See references of WO 2011076453A1

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

DOCDB simple family (publication)
WO 2011076453 A1 20110630; CN 102666981 A 20120912; CN 102666981 B 20150218; DE 102009055308 A1 20110630; EP 2516737 A1 20121031; EP 2516737 B1 20150429; JP 2013515867 A 20130509; JP 5719853 B2 20150520

DOCDB simple family (application)
EP 2010064840 W 20101005; CN 201080058958 A 20101005; DE 102009055308 A 20091223; EP 10763181 A 20101005; JP 2012545170 A 20101005