

Title (en)

Method for monitoring the condition of a clothing

Title (de)

Verfahren zur Überwachung des Zustandes einer Bespannung

Title (fr)

Procédé de surveillance de la condition d'un habillage

Publication

EP 1413674 B1 20080213 (DE)

Application

EP 03103684 A 20031006

Priority

DE 10249385 A 20021023

Abstract (en)

[origin: EP1413674A1] In a paper manufacturing process an endless de-watering sieve or felt belt (12) is maintained under tension. The tension value is monitored by sensors (14) coupled to a computer (16) which evaluates the data to provide a two-dimensional presentation of the sieve or web condition in both longitudinal and transverse profile. The data captured is representative of at least one pre-defined property and is presented in map form using e.g. contours and colour. The map may be in two, or three-dimensional presentation e.g. in the form of a space frame, waterfall presentation or similar. The belt or sieve are scanned transversely. Also claimed is a commensurate sieve or felt belt monitoring assembly monitoring e.g. water content take-up capacity, actual water content, optical properties, temperature, elasticity, thickness, soiling, dampening etc.

IPC 8 full level

D21G 9/00 (2006.01); **D21F 1/32** (2006.01)

CPC (source: EP US)

D21F 1/32 (2013.01 - EP US); **D21G 9/0009** (2013.01 - EP US)

Cited by

EP3763875A1; CN105723029A; WO2014078419A3; WO2011154262A1; WO2015073061A1; US9382663B2; US9953405B2; US10699397B2; US9062416B2; US9349175B2; US9443301B2; US9879378B2; US9920479B2; US9920480B2; US9963828B2; US10392751B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1413674 A1 20040428; **EP 1413674 B1 20080213**; AT E386159 T1 20080315; DE 10249385 A1 20040506; DE 50309148 D1 20080327; US 2004129398 A1 20040708; US 7294234 B2 20071113

DOCDB simple family (application)

EP 03103684 A 20031006; AT 03103684 T 20031006; DE 10249385 A 20021023; DE 50309148 T 20031006; US 68969703 A 20031022