

Title (en)

Method for calculating the diameter of a winding of web material on a roll and winding control system

Title (de)

Verfahren zum Berechnen des Durchmessers einer Warenbahnwicklung auf einer Rolle sowie Wickelsteuerungssystem

Title (fr)

Procédé de calcul du diamètre d'un enroulement de bande de marchandises sur un rouleau et système de commande de bobine

Publication

**EP 2050699 A3 20101006 (DE)**

Application

**EP 08016514 A 20080919**

Priority

DE 102007049680 A 20071017

Abstract (en)

[origin: EP2050699A2] The method involves calculating a diameter (D) of a web material winding (112) in a winding control system (150). Winding speed is changed when a swivel arm (110) supporting a roll (111) is swiveled around a swiveling axis (A) of the arm during a winding motion. A correction value for correcting change of the winding speed is incorporated into the calculation of the diameter of the web material winding. The correction value is determined within the winding control system, and utilized for pre-controlling the winding speed of the roll. Independent claims are also included for the following: (1) a winding control system comprising a control unit for controlling a winding movement of a roll (2) a computer program with a program code for performing a method for calculating diameter of a web material winding on a roll (3) computer program product with a program code for performing a method for calculating diameter of a web material winding on a roll.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XII] DE 3927172 A1 19910207 - EAE EWERT AHRENSBURG ELECTRONI [DE]
- [XII] US 3825201 A 19740723 - OSTA F

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DE102011117358A1; ITVR20100003A1; EP2371748A3; WO2011086128A1

Designated contracting state (EPC)

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