

Title (en)
CALENDER AND METHOD FOR CONTROLLING SUCH A CALENDER

Title (de)
KALANDER UND VERFAHREN ZUR STEUERUNG EINES SOLCHEN KALANDERS

Title (fr)
CALANDRE ET PROCÉDÉ DE COMMANDE DE LADITE CALANDRE

Publication
EP 4031707 B1 20231101 (EN)

Application
EP 20780369 A 20200921

Priority
• NL 2023855 A 20190919
• NL 2020050580 W 20200921

Abstract (en)
[origin: WO2021054831A1] The invention relates to a calender, comprising a rotatable roller, a belt, co-acting with the roller, with a determined belt pressure, wherein at least one material for feeding through the calender is situated between the roller and the belt for a determined contact time during throughfeed through the calender, heating means for heating the fluid and/or the roller, control means for controlling the heating means and/or the belt pressure and/or the contact time, and at least one first temperature sensor for measuring the temperature of an outer periphery of the roller and at least one second temperature sensor for measuring the temperature of the fluid, wherein the control means are configured to control the heating means and/or the belt pressure and/or the contact time on the basis of the measured outer periphery temperature and the measured fluid temperature. The invention further relates to a set with a plurality of such calenders and a method for controlling such a calender.

IPC 8 full level
D21G 1/00 (2006.01); **D21G 1/02** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP US)
D21G 1/0066 (2013.01 - EP); **D21G 1/0266** (2013.01 - EP US); **D21G 1/0286** (2013.01 - EP US); **D21G 9/0045** (2013.01 - EP US)

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 2021054831 A1 20210325; EP 4031707 A1 20220727; EP 4031707 B1 20231101; NL 2023855 B1 20210413; US 2022372704 A1 20221124

DOCDB simple family (application)
NL 2020050580 W 20200921; EP 20780369 A 20200921; NL 2023855 A 20190919; US 202017761627 A 20200921