

Title (en)  
CONTROLLING THE TREATMENT OF FIBROUS MATERIAL

Title (de)  
STEUERUNG DER FASERSTOFFBEHANDLUNG

Title (fr)  
COMMANDE DU TRAITEMENT D'UNE MATIÈRE FIBREUSE

Publication  
**EP 3714097 B1 20240703 (DE)**

Application  
**EP 18786284 A 20181011**

Priority  
• DE 102017127771 A 20171124  
• EP 2018077700 W 20181011

Abstract (en)  
[origin: WO2019101425A1] The invention relates to a method for the closed-loop or open-loop control of a device for treating fibrous material (1) at least partially on the basis of the driving power thereof, wherein the device has a housing (2) in which at least one first treatment tool (3) and a second treatment tool (4) are arranged, and the treatment tools (3, 4) are each fastened to a base plate (7, 8), have a rotationally symmetrical shape, are arranged coaxially with respect to one another, rotate relative to one another about a common axis (5), and delimit a treatment gap (6) through which the fibrous material (1) flows radially and the gap width of which can be changed via an axial displacement of at least one base plate (7, 8) of a treatment tool (3, 4). The aim is to improve the treatment of the fibrous material by measuring the axial force (F) acting on the displaceable base plate and by controlling, in an open-loop or closed-loop manner, the gap width at least in accordance with the drive power and axial force (F).

IPC 8 full level  
**D21D 1/00** (2006.01); **D21D 1/20** (2006.01); **D21D 1/30** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP)  
**D21D 1/002** (2013.01); **D21D 1/20** (2013.01); **D21D 1/30** (2013.01); **D21G 9/0018** (2013.01)

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)  
**DE 102017127771 A1 20190529**; CN 111373090 A 20200703; CN 111373090 B 20220429; EP 3714097 A1 20200930;  
EP 3714097 B1 20240703; WO 2019101425 A1 20190531

DOCDB simple family (application)  
**DE 102017127771 A 20171124**; CN 201880075427 A 20181011; EP 18786284 A 20181011; EP 2018077700 W 20181011