

Title (en)  
SYSTEM AND METHOD FOR PRODUCING A COMBED FIBER STRIP

Title (de)  
ANLAGE UND VERFAHREN ZUR HERSTELLUNG EINES GEKÄMMTEN FASERBANDES

Title (fr)  
SYSTÈME ET PROCÉDÉ DE PRODUCTION DE BANDE DE FIBRES PEIGNÉES

Publication  
**EP 4133124 A1 20230215 (DE)**

Application  
**EP 21709907 A 20210226**

Priority  
• DE 102020109963 A 20200409  
• EP 2021054832 W 20210226

Abstract (en)  
[origin: WO2021204462A1] The invention relates to a method and a system for producing a combed fiber strip (F), comprising a winding machine (W) with at least one combing machine, wherein the winding machine (W) produces a group of multiple lap rolls (1) from a lap strip (4) for each combing machine, said lap rolls being transported to the combing machine and provided to combing heads (20), and a combed fiber strip is produced from each lap roll (1), said fiber strip(s) then being stretched into a single fiber strip (F). The invention is characterized in that the deviation of the strip mass of the fiber strip (F) is measured, compared with the target strip weight, and assigned to the discharge length of the lap roll (1), and the draft and/or the tension on the winding machine (W) is adjusted over the winding length for the next group of lap rolls (1) using said data.

IPC 8 full level  
**D01G 31/00** (2006.01); **D01G 19/04** (2006.01); **D01G 21/00** (2006.01); **D01G 27/00** (2006.01)

CPC (source: EP)  
**D01G 19/04** (2013.01); **D01G 21/00** (2013.01); **D01G 27/00** (2013.01); **D01G 31/006** (2013.01)

Citation (search report)  
See references of WO 2021204462A1

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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102020109963 A1 20211014**; CN 115485424 A 20221216; CN 115485424 B 20240322; EP 4133124 A1 20230215;  
WO 2021204462 A1 20211014

DOCDB simple family (application)  
**DE 102020109963 A 20200409**; CN 202180027293 A 20210226; EP 2021054832 W 20210226; EP 21709907 A 20210226