

Title (en)

CIRCULAR COMB AND CIRCULAR COMB UNITS WHICH COMPRISE A CIRCULAR COMB SECURED TO A SHAFT

Title (de)

KREISKAMM UND KREISKAMMEINHEITEN MIT EINEM AN EINER WELLE BEFESTIGTEN KREISKAMM

Title (fr)

PEIGNE CIRCULAIRE ET ENSEMBLE FORMANT PEIGNE CIRCULAIRE MUNI D'UN PEIGNE CIRCULAIRE FIXÉ À UN ARBRE

Publication

**EP 3137660 B1 20200226 (DE)**

Application

**EP 15720083 A 20150430**

Priority

- DE 102014208300 A 20140502
- EP 2015059596 W 20150430

Abstract (en)

[origin: WO2015166085A2] The invention relates to a circular comb (2) which is intended for use in a combing machine for combing textile fibres, and which is to be secured to a combing machine shaft (5) that can rotate about a rotational axis (4). It comprises a circular comb main part (6) that has an outer circumferential side (7) and an inner circumferential side (8), and a plurality of combing bars (9) which are arranged on said outer circumferential side (7) of the circular comb main part (6) and the totality of which covers a combing circumferential angle segment and defines a combing region on said circular comb (2). On the outer circumferential side (7) of the circular comb main part (6), at least two outer contact strips per combing bar (9) are provided which extend axially in the direction of the rotational axis (4), are tangentially spaced apart from one another relative to said rotational axis (4), and form combing bar contact surfaces on which each of the combing bars (9) lies. On the inner circumferential side (8) of the circular comb main part (6), inner contact strips are provided which extend axially in the direction of the rotational axis (4), protrude radially inwards relative to the rotational axis (4), are tangentially spaced apart from one another relative to said rotational axis (4) and form, at least within the combing region, the individual shaft assembly contact surfaces of said circular comb main part (6) for the purpose of direct or indirect installation on, or connection to, said shaft (5). At least some of the outer contact strips are associated with one of said inner contact strips respectively such that together these form a strip pair, the outer and inner contact strips of each of said strip pairs at least partially overlapping in their tangential extension, and there being at least two strip pairs provided per combing bar (9).

IPC 8 full level

**D01G 19/10** (2006.01)

CPC (source: EP)

**D01G 19/105** (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)

**WO 2015166085 A2 20151105; WO 2015166085 A3 20151230**; EP 3137660 A2 20170308; EP 3137660 B1 20200226; EP 3680371 A1 20200715; EP 3680371 B1 20230222

DOCDB simple family (application)

**EP 2015059596 W 20150430**; EP 15720083 A 20150430; EP 20158496 A 20150430