

Title (en)  
ROUND COMB WITH GUIDE ELEMENT

Title (de)  
RUNDKAMM MIT FÜHRUNGSELEMENT

Title (fr)  
PEIGNE ROND DOTE D'ELEMENT DE GUIDAGE

Publication  
**EP 3034660 B1 20170816 (DE)**

Application  
**EP 15200165 A 20151215**

Priority  
CH 19872014 A 20141219

Abstract (en)  
[origin: US2016177477A1] The invention relates to a circular comb (R) for a comb having a basic body (18, 20), which is fastened on a circular comb shaft (15) in a rotationally locked manner and supports, on the outer circumference thereof, at least one comb clothing (G), the clothing tips of which form an outer enclosing circle (HK), and a guide element (7, 7a) fastened on the circular comb is provided following—as viewed in the combing direction (L) of the comb clothing—the basic body supporting the comb clothing (G), said guide element having at least two mutually adjacent guide surfaces (f1-f3), wherein the first guide surface (f1), which adjoins the basic body (18, 20), is arranged within the enclosing circle (HK) and with substantially consistent radial clearance (e) from the enclosing circle, and the adjoining second guide surface (f2) forms an obtuse angle ( $\alpha$ ) with the first guide surface (f1). In order to better control the airflows in the region of the join, it is proposed that the radial clearance (e) of the first guide surface (f1) of the guide element (7a) from the enclosing circle (HK) is between 4-10 mm and the second guide surface (f2) forms an angle ( $\alpha$ ) between 130°-170° with the first guide surface (f1), wherein the rear end (H)—as viewed in the combing direction (L) of the comb clothing (G)—of the second guide surface (f2) has a radial clearance (M) between 8-18 mm from the enclosing circle (HK) of the comb clothing and the length (12) of the second guide surface (f2) is at least twice as great as the length (11) of the first guide surface (f1), as viewed in the circumferential direction of the circular comb (R).

IPC 8 full level  
**D01G 19/10** (2006.01)

CPC (source: EP US)  
**D01G 19/105** (2013.01 - EP US)

Cited by  
DE102017201678A1; DE102017201678B4; CN110249085A; EP4183908A1; CH719163A1; WO2018141532A1

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)  
**EP 3034660 A1 20160622; EP 3034660 B1 20170816**; CH 710541 A2 20160630; CN 105714416 A 20160629; CN 105714416 B 20190716; US 10100442 B2 20181016; US 2016177477 A1 20160623

DOCDB simple family (application)  
**EP 15200165 A 20151215**; CH 19872014 A 20141219; CN 201510949792 A 20151218; US 201514972231 A 20151217