

Title (en)  
Tooth clothing for a comb in a combing machine

Title (de)  
Zahngarnitur für einen Kamm einer Kämm-Maschine

Title (fr)  
Garniture dentaire pour un peigne d'une peigneuse

Publication  
**EP 1870498 A2 20071226 (DE)**

Application  
**EP 07010330 A 20070524**

Priority  
DE 102006030763 A 20060623

Abstract (en)  
The tooth set (14) for a comb of a comb-machine, comprises number of teeth arranged side by side, and tooth row with its teeth formed as single piece tooth strip. The number of teeth transverse to the operating direction of the teeth form oriented tooth row. The single piece tooth strip has several tooth rows arranged one behind the other in operating direction of the teeth. A groove passing diagonally in the operating direction between the two tooth rows has a depth, which differs from the depth of a groove running in operating direction between two teeth. The tooth set (14) for a comb of a comb-machine, comprises number of teeth arranged side by side, and tooth row with its teeth formed as single piece tooth strip. The number of teeth transverse to the operating direction of the teeth form oriented tooth row. The single piece tooth strip has several tooth rows arranged one behind the other in operating direction of the teeth. A groove passing diagonally in the operating direction between the two tooth rows has a depth, which differs from the depth of a groove running in operating direction between two teeth. The single piece tooth strip has the form of segments made of cylinder cover. The tooth rows are arranged one behind the other on the cylinder cover in circumferential direction. The tooth strip has means (16) for fastening and consists of hardened and tempered steel. The teeth of the tooth set have a coating. The groove running in operating direction between two teeth has a depth, which has two- to fivefold of the separation spacing of the teeth. Independent claims are included for: (1) a method for the production of tooth set for a comb of a comb-machine; (2) a top comb for a comb-machine; and (3) a circular comb for a comb-machine.

Abstract (de)  
Es ist eine Zahngarnitur für einen Kamm einer Kämm-Maschine sowie ein Verfahren zur Herstellung beschrieben. Die Zahngarnitur enthält eine Vielzahl von nebeneinander angeordneten Zähnen, die wenigstens eine, quer zur Arbeitsrichtung der Zähne orientierte Zahnreihe bilden. Die Zähne der Zahngarnitur sind aus dem Vollen ausgeformt und sind einstückig als Zahnleiste ausgebildet. Es ist außerdem ein Fixkamm und ein Rundkamm für eine Kämm-Maschine mit derartigen Zahngarnituren beschrieben. Die Zahngarnitur kann dabei eine oder mehrere Zahnreihen aufweisen.

IPC 8 full level  
**D01G 15/88** (2006.01); **D01G 19/10** (2006.01)

CPC (source: EP US)  
**D01G 15/88** (2013.01 - EP US); **D01G 19/105** (2013.01 - EP US)

Citation (applicant)  
• EP 1829993 A1 20070905 - GRAF RALPH A [CH]  
• GB 1264306 A 19720223

Cited by  
CN106133218A; WO2015154841A1

Designated contracting state (EPC)  
BE CH CZ DE IT LI

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1870498 A2 20071226**; **EP 1870498 A3 20080604**; **EP 1870498 B1 20100804**; BR PI0702960 A 20080219; CN 101092765 A 20071226; CN 101092765 B 20120321; DE 102006030763 A1 20080103; DE 502007004620 D1 20100916; JP 2008002053 A 20080110; JP 5121321 B2 20130116; US 2008040893 A1 20080221

DOCDB simple family (application)  
**EP 07010330 A 20070524**; BR PI0702960 A 20070625; CN 200710126216 A 20070622; DE 102006030763 A 20060623; DE 502007004620 T 20070524; JP 2007156296 A 20070613; US 81277507 A 20070621