

Title (en)  
RECTILINEAR COMBING MACHINE

Title (de)  
FLACHKÄMMMASCHINE

Title (fr)  
PEIGNEUSE RECTILIGNE

Publication  
**EP 3748051 A1 20201209 (EN)**

Application  
**EP 20177349 A 20200529**

Priority  

- IT 201900008070 A 20190605
- IT 201900008712 A 20190612
- IT 201900011706 A 20190715

Abstract (en)  
A pair of counter-rotating tearing rollers (18, 20) is mounted on a frame (22) which swings with an alternating motion about a first axis (P1), under the control of first motorized transmission means, with respect to a clamp (12) which retains a ribbon (F) of fibers, so as to move the tearing rollers (18, 20) closer to the clamp (12) in order to pinch a protruding head of the ribbon (F), and then move the tearing rollers (18, 20) away from the clamp (12) so as to tear a tuft of fibers from the ribbon (F). The motorized transmission means comprise a first connecting rod-crank mechanism (30), which is connected to the frame (22) by means of linkages (33) and is actuated by a motor (32) which is controlled electronically according to a predetermined mathematical function.

IPC 8 full level  
**D01G 19/26** (2006.01)

CPC (source: CN EP)  
**D01G 19/08** (2013.01 - CN); **D01G 19/18** (2013.01 - EP); **D01G 19/26** (2013.01 - CN EP)

Citation (applicant)  

- IT 201900008070 A 20190605
- IT 201900008712 A 20190612
- IT 201900011706 A 20190715

Citation (search report)  

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- [Y] FR 2851261 A1 20040820 - SANT ANDREA NOVARA SPA [IT]
- [Y] EP 0735167 A2 19961002 - MANDL GERHARD DR [CH], et al
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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

DOCDB simple family (publication)  
**EP 3748051 A1 20201209; EP 3748051 B1 20220309; CN 112048786 A 20201208**

DOCDB simple family (application)  
**EP 20177349 A 20200529; CN 202010506048 A 20200605**