

Title (en)

Combing machine with variable speed circular comb

Title (de)

Kämmmaschine mit umlaufendem Kamm von veränderlicher Geschwindigkeit

Title (fr)

Machine de peignage avec peigne circulaire à vitesse variable

Publication

**EP 2570525 A2 20130320 (EN)**

Application

**EP 12183006 A 20120904**

Priority

IT BS20110124 A 20110916

Abstract (en)

A combing machine envisages, between a motor (21) and a circular comb (20), a transmission device (30) having in input a motor shaft (36) with angular input speed ( $W_{in}$ ) and in output a driven shaft (19) with angular output speed ( $W_{out}$ ), engaged with the circular comb (20). The ratio ( $R$ ) between the angular output speed ( $W_{out}$ ) and the angular input speed ( $W_{in}$ ) being defined, said ratio is variable depending on the angular position ( $\pm$ ) of the circular comb and is between 1.55 and 0.45. In particular the ratio ( $R$ ) depending on the angular position ( $\pm$ ) is defined by the graph shown in figure 7.

IPC 8 full level

**D01G 19/10** (2006.01); **D01G 19/16** (2006.01)

CPC (source: EP)

**D01G 19/10** (2013.01); **D01G 19/16** (2013.01)

Citation (applicant)

WO 2011073942 A1 20110623 - MARZOLI COMBING & FLYER S P A [IT], et al

Cited by

WO2022002488A1

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 2570525 A2 20130320**; **EP 2570525 A3 20140416**; **EP 2570525 B1 20160608**; BR 102012022912 A2 20130806;  
BR 102012022912 B1 20210601; BR 102012022912 B8 20211207; CN 102995171 A 20130327; CN 102995171 B 20161221;  
IT BS20110124 A1 20130317

DOCDB simple family (application)

**EP 12183006 A 20120904**; BR 102012022912 A 20120911; CN 201210345733 A 20120917; IT BS20110124 A 20110916