

Title (en)

Automatic electronic wood cutting/chopping machine

Title (de)

Automatische elektronische Holzschneid und -Spaltvorrichtung

Title (fr)

Machine automatique électronique à couper et à fendre du bois

Publication

EP 0901892 A2 19990317 (EN)

Application

EP 98117133 A 19980910

Priority

IT UD970155 A 19970911

Abstract (en)

Automatic electronic wood cutting/chopping machine used to produce pieces or segments (49) of firewood from branchless trunks (12) and collected from a stacking zone, the machine including, in coordinated cooperation, a loading assembly (11) to automatically pick up the trunks (12) from the stacking zone and to deposit them on a lengthwise feed assembly (13) with a sliding channel (20), a cutting assembly (14) located to follow the lengthwise feed assembly (13) to divide the trunks (12) into sections of predetermined length, a gripper assembly (29) located in cooperation with the cutting assembly (14) to temporarily retain the trunks (12) during the cutting operation and to measure the diameter of the trunks (12), a translation assembly (25) located immediately downstream of the cutting assembly (14) to translate the cut sections of trunk (12), a chopping assembly (15), coplanar and substantially adjacent to the feed assembly (13), to divide the cut sections into a defined number of pieces or segments (49) and a carrier assembly (16) located immediately downstream of the chopping assembly (15) to discharge and/or separate the pieces or segments (49) produced, the assemblies (11,13,14,15,16,25, 29) being governed by an electronic control and drive unit (26) associated at least with means to automatically determine the length of the trunks (12). <IMAGE>

IPC 1-7

B27B 31/00; **B27B 5/18**; **B27L 7/00**; **B27B 29/00**

IPC 8 full level

B27B 5/18 (2006.01); **B27B 29/00** (2006.01); **B27B 31/00** (2006.01); **B27L 7/00** (2006.01)

CPC (source: EP)

B27B 5/18 (2013.01); **B27B 29/00** (2013.01); **B27B 31/00** (2013.01); **B27L 7/00** (2013.01); **B27L 7/06** (2013.01)

Cited by

EP1440778A3; EP3205466A1; ITUD20130121A1; CN108858470A; AT503076B1; FR2948054A1; FR2871720A1; EP2569133A4; EP3415294A1; US10464149B2; WO2011141636A1; EP2684657B1

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DOCDB simple family (publication)

EP 0901892 A2 19990317; **EP 0901892 A3 19990519**; **EP 0901892 B1 20011121**; AT E209086 T1 20011215; DE 69803259 D1 20020221; DE 69803259 T2 20020808; DK 0901892 T3 20020513; ES 2167825 T3 20020516; IT 1294630 B1 19990412; IT UD970155 A1 19990311

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