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(11) **EP 0 901 892 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 19.05.1999 Bulletin 1999/20

(43) Date of publication A2: 17.03.1999 Bulletin 1999/11

(21) Application number: 98117133.3

(22) Date of filing: 10.09.1998

(51) Int. Cl.⁶: **B27B 31/00**, B27B 5/18, B27L 7/00, B27B 29/00

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 11.09.1997 IT UD970155

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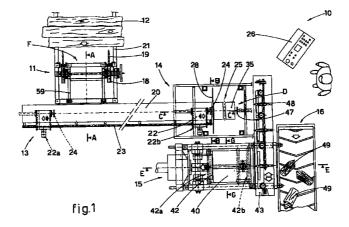
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(54) Automatic electronic wood cutting/chopping machine

(57) 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), complanar 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).





EUROPEAN SEARCH REPORT

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