

Title (en)  
CONTROL SYSTEM FOR A CUTTER

Publication  
**EP 0291763 B1 19901227 (DE)**

Application  
**EP 88107126 A 19880504**

Priority  
DE 3716704 A 19870519

Abstract (en)  
[origin: WO8809248A1] A control circuit for controlling a blade has a subdivision circuit (31) which subdivides the length of a separating cut into linear sections (W2, W3) and sinusoidal sections (W1). The sinusoidal sections are subdivided in a division circuit (31) into longitudinal increments ( DELTA x). The locus of a sinusoidal partial section is stored in a unit scale in a store (31). The transverse increment corresponding to each longitudinal increment ( DELTA x) is determined in a unit scale by interpolation, and this transverse increment is multiplied in a multiplier (33) by the amplitude (U) of the separating cut. The actual transverse increments ( DELTA y) thus obtained are stored consecutively in a second store (35). A synchronizing and sequential circuit (37) feeds the transverse increments ( DELTA y) stored in the second store (35) to a first motor control circuit (38) which controls the motor for the transverse movement of the blade carrier. The motor (27) for the rotary movement of the blade arranged on the blade carrier is controlled by a second motor control circuit (36), to which the transverse increments ( DELTA y) are also fed, but in a sequence which corresponds to the first mathematical derivative of the sequence fed to the first motor control circuit.

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**B26D 3/10**; **B26D 5/20**

IPC 8 full level  
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CPC (source: EP US)  
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**EP 0291763 A1 19881123**; **EP 0291763 B1 19901227**; CA 1314604 C 19930316; DE 3716704 C1 19881117; DE 3861420 D1 19910207; ES 2019429 B3 19910616; JP H01503286 A 19891109; US 5124929 A 19920623; WO 8809248 A1 19881201

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