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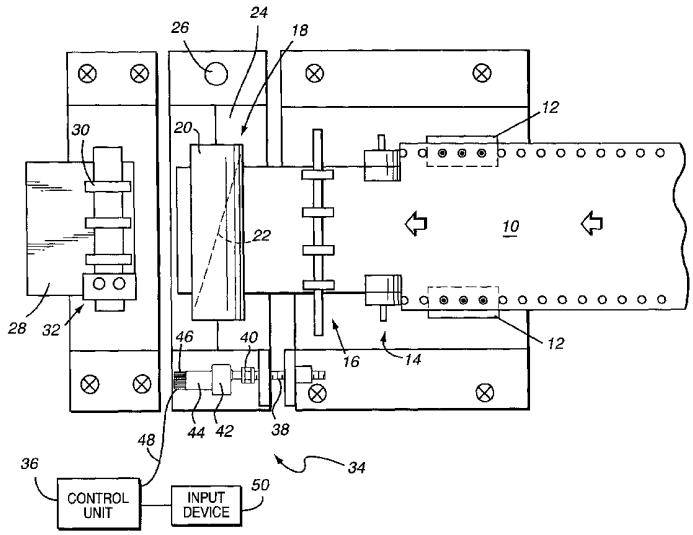
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(54) Title: ROTARY CUTTER WITH AUTOMATIC KNIFE OFFSET



(57) Abstract: A scissor-action rotary cutter for high speed sheeting from a continuous web is described. Conventionally, the rotary knife is offeset to provide a square cut for, e.g., a constant knife velocity following web speed, and making one revolution per cut length, so that the sheet length equals the knife circumference. A knife offset compesensation is necessary to achieve a perpendicular transverse cut for a selected cut length that differs from that for which the knife offset is predetermined. The invention provides a cutter section that is automatically positioned for the offeset adjustment, if any, required when the sheet length is entered. Positioning is preferably accomplished by a gear motor, encoder, coupling and lead screw connected between the cutter and the web feed section. The knife offset compensation is determined as a function of the knife offset and the difference between sheet length and knife circumference.

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International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65H35/08 B26D7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	EP 0 204 866 A (PETERS MASCHF WERNER H K) 17 December 1986 (1986-12-17) page 8 -page 10; claims; figures	1-13
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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