

Title (en)
Three side cutter

Title (de)
Dreischneider

Title (fr)
Machine pour le découpage sur trois côtés

Publication
EP 0740983 A1 19961106 (DE)

Application
EP 96106902 A 19960502

Priority
DE 19516047 A 19950504

Abstract (en)
The page trimmer for collectively shearing the free edges of an assembled or bound book during the final stages of its production forms part of a machine complex. This comprises a feeder conveyor, transfer station (12), storage magazine (18) and a shearing unit (14) which includes a page clamping mechanism and an output conveyor (16). The books are moved from the magazine (18) to the shearer (14) on a track (20) and are positioned successively by a reciprocating assembly (24,52) for edge trimming by the front (32) and two side knives (32,34). During processing all independently driven movements are synchronised by digital control of the rotary or linear servo or stepping motors (38,40,46,48) and offcuts are shredded for removal by suction.

Abstract (de)
Es wird ein Dreischneider, bestehend aus einer Zuführstation (10), einer Übergabestation (12), einer Schneidstation (14) mit einem Preßstempel, einem Vordermesser (36), zwei Seitenmessern (32,34) und einem Ausleger, deren Bewegungsabläufe untereinander gekoppelt sind, sowie einer Absaugvorrichtung für Schneidabfälle beschrieben. Wenigstens die zwei Seitenmesser (32,34) einerseits und das Vordermesser (36) andererseits umfassen gesonderte Antriebe mit digital gesteuerten Servo- oder Schrittmotoren (38,40), deren Bewegungsabläufe durch einen gemeinsamen Steuerrechner synchronisiert sind.

IPC 1-7
B26D 1/09; **B26D 5/00**

IPC 8 full level
B26D 1/09 (2006.01); **B26D 5/00** (2006.01); **B26D 5/20** (2006.01); **B26D 11/00** (2006.01)

CPC (source: EP)
B26D 1/09 (2013.01); **B26D 5/00** (2013.01); **B26D 5/20** (2013.01); **B26D 11/00** (2013.01); **B26D 5/14** (2013.01); **B26D 2007/0081** (2013.01)

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Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0740983 A1 19961106; **EP 0740983 B1 20010606**; DE 19516047 A1 19961107; DE 19516047 C2 19970430; DE 59607028 D1 20010712

DOCDB simple family (application)
EP 96106902 A 19960502; DE 19516047 A 19950504; DE 59607028 T 19960502