

Title (en)

Apparatus for stepwise transport of a strip

Title (de)

Vorrichtung zum schrittweisen Vorschieben eines bandförmigen Werkstückes

Title (fr)

Appareil pour le transport pas à pas d'une bande

Publication

EP 1002596 A1 20000524 (DE)

Application

EP 98122037 A 19981120

Priority

EP 98122037 A 19981120

Abstract (en)

First (19) and second (26) press members are used for the stepwise, periodical advance of a strip-form workpiece, the first of which exerts periodical pressure on the workpiece (17) whilst the second is periodically driven, working in conjunction with the first. The first and second members periodically clamp and advance the workpiece between them. A periodically movable first securing member periodically presses the workpiece against a second securing member, securing it for a short period. On a drive shaft (3) is a longitudinally displaceable curve pendulous gear (2), which is in work connection at least with the second press member (26). A single cam plate is connected with the drive shaft (3) and which is connected by a transmission rod (25) both with the first press member (19) and the first securing member.

Abstract (de)

Ein dem Vorschub zugeordnetes, erstes Klemmglied (19) arbeitet mit einem zweiten, dem Vorschub zugeordneten Klemmglied (26) zusammen, um ein Band (17) zum Vorschieben festzuklemmen. Das erste Klemmglied (19) ist von einer Nockenscheibe (27) her über Hebelarmglieder (30, 32, 34, 35, 38) gesteuert. Ein erstes Arretierglied (46) arbeitet mit einem zweiten Arretierglied (47) zusammen, um das Band (17) zum feststehenden Arretieren festzuklemmen. Das erste Klemmglied (19) ist von derselben Nockenscheibe (27) her über Hebelarmglieder (30, 32, 34, 40, 43) gesteuert. <IMAGE>

IPC 1-7

B21D 43/11; **B21D 43/09**

IPC 8 full level

B21D 43/02 (2006.01); **B21D 43/09** (2006.01); **B21D 43/11** (2006.01)

CPC (source: EP US)

B21D 43/09 (2013.01 - EP US); **B21D 43/11** (2013.01 - EP US)

Citation (search report)

- [X] US 4819850 A 19890411 - KATO HEIZABURO [JP]
- [A] DE 4141769 A1 19930624 - SCHULER GMBH L [DE]
- [A] US 4792074 A 19881220 - BAREIS ALFRED [DE], et al
- [A] US 4040553 A 19770809 - GOTZ MARTIN

Cited by

EP1941957A1; CN101972819A; CN115047141A; US7900803B2

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 1002596 A1 20000524; **EP 1002596 B1 20020313**; DE 59803358 D1 20020418; JP 2000190039 A 20000711; JP 4291925 B2 20090708; SG 73670 A1 20000620; US 6283352 B1 20010904

DOCDB simple family (application)

EP 98122037 A 19981120; DE 59803358 T 19981120; JP 27886399 A 19990930; SG 1999004567 A 19990916; US 38891599 A 19990901