

Title (en)

Device for transferring groups of rod-like tobacco articles from a guide channel to an exit conveyor

Title (de)

Vorrichtung zum Überführen von Gruppen aus stabförmigen Artikeln der tabakverarbeitenden Industrie aus einem ortsfesten Führungskanal auf ein Abfördermittel

Title (fr)

Dispositif pour transférer des groupes d'articles sous forme de tiges de l'industrie du tabac à partir d'un canal de guidage fixe à un transporteur de sortie

Publication

EP 0792809 B2 20040506 (DE)

Application

EP 97102481 A 19970215

Priority

DE 19607419 A 19960228

Abstract (en)

[origin: EP0792809A1] The cigarette blocks are supplied through a push ram (2) and there are brakes (12,18) to act on the blocks in a transfer zone during a slow down of the ram. The brakes increase the friction of the blocks in, or against at least one wall of, a guide channel (1). The brakes can be formed as suction channels opening into the guide channel or as pressurised medium restricting the cross-section of the guide channel. The pressurised medium is formed as a spring-elastic wall section of the upper channel wall which can be biased by a pressure ram (18).

IPC 1-7

B65B 35/20

IPC 8 full level

B65B 19/12 (2006.01); **B65B 19/10** (2006.01); **B65B 35/20** (2006.01)

CPC (source: EP US)

B65B 19/10 (2013.01 - EP US); **B65B 35/20** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 3918236 A1 19901206 - HAUNI WERKE KOERBER & CO KG [DE]
- US 4947872 A 19900814 - GAMBERINI ANTONIO [IT]
- EP 0416439 A1 19910313 - SCHMERMUND MASCHF ALFRED [DE]
- GB 1544572 A 19790419 - AMF INC
- DE 4313434 A1 19941103 - FOCKE & CO [DE]
- US 3301375 A 19670131 - ALFRED SCHMERMUND
- DE 1908199 A1 19691002 - HAUNI WERKE KOERBER & CO KG
- GB 1123700 A 19680814 - SIG SCHWEIZ INDUSTRIEGES

Cited by

CN111661405A; CN114435672A

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0792809 A1 19970903; **EP 0792809 B1 19990922**; **EP 0792809 B2 20040506**; CN 1074275 C 20011107; CN 1171215 A 19980128; DE 19607419 A1 19970904; DE 59700454 D1 19991028; ES 2138844 T3 20000116; ES 2138844 T5 20041116; JP H09315404 A 19971209; US 5730277 A 19980324

DOCDB simple family (application)

EP 97102481 A 19970215; CN 97109917 A 19970227; DE 19607419 A 19960228; DE 59700454 T 19970215; ES 97102481 T 19970215; JP 4105897 A 19970225; US 79793597 A 19970212