Title (en)

METHOD AND DEVICE FOR CONTROLLING THE CIRCULATION SPEED OF AN ENDLESS BELT AND ARRANGEMENT FOR GENERATION OF A BRAKING FORCE ON AN ENDLESS BELT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN DER UMLAUFGESCHWINDIGKEIT EINES ENDLOSEN BANDES SOWIE ANORDNUNG ZUM ERZEUGEN EINER BREMSKRAFT AUF EIN ENDLOSES BAND

Title (fr)

PROCEDE ET DISPOSITIF POUR COMMANDER LA VITESSE DE DEPLACEMENT CIRCULAIRE D'UNE BANDE SANS FIN ET DISPOSITIF POUR GENERER UNE FORCE DE FREINAGE APPLIQUEE A UNE BANDE SANS FIN

Publication

EP 1668425 A1 20060614 (DE)

Application

EP 04764556 A 20040827

Priority

• EP 2004009582 W 20040827
• DE 10345149 A 20030929

Abstract (en)

[origin: US2007189806A1] In a method for control of circulation speed of an endless belt arranged in a printer or copier, the endless belt is directed over at least two rollers where the belt is driven with a preset first circulation speed via at least one of the rollers as a driven roller. Various load states act on the endless belt in successive operating phases during a printing or copying process, and via said various load states the belt being braked with different strengths so that a slippage is generated at least between the belt and the driven roller. A braking force acting directly on the endless belt is generated. Braking force is controlled such that a substantially constant slippage is generated between the driven roller and the belt based on the operating phases so that the endless belt is braked to a second circulation speed.

IPC 1-7

G03G 15/00; B65G 43/00

IPC 8 full level

B65G 47/10 (2006.01); G03G 15/01 (2006.01)

CPC (source: EP US)

G03G 15/0152 (2013.01 - EP US); G03G 15/0168 (2013.01 - EP US); G03G 2215/0154 (2013.01 - EP US)

Citation (search report)

See references of WO 2005040936A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007189806 A1 20070816; US 7643775 B2 20100105; AT E394709 T1 20080515; DE 10345149 A1 20050428; DE 502004007079 D1 20080619; EP 1668425 A1 20060614; EP 1668425 B1 20080507; WO 2005040936 A1 20050506

DOCDB simple family (application)

US 57340004 A 20040827; AT 04764556 T 20040827; DE 10345149 A 20030929; DE 502004007079 T 20040827; EP 04764556 A 20040827; EP 2004009582 W 20040827