

Title (en)  
Roller machine and method of operating the same

Title (de)  
Walzenmaschine und Verfahren zu ihrem Betrieb

Title (fr)  
Machine à rouleaux et son procédé de fonctionnement

Publication  
**EP 0949378 B1 20021211 (DE)**

Application  
**EP 99106505 A 19990330**

Priority  
DE 19815339 A 19980406

Abstract (en)  
[origin: EP0949378A1] The driven rollers (2-9) have a common control (14) varying drive torque distribution. An Independent claim is included for the corresponding method of operating the machine. PREFERRED FEATURES:- The drive control limiter keeps rate of torque variation below a set threshold. A sensor unit (22,23) detects band material- and/or machine operational parameters, used to adjust torque distribution. The drive control includes a timing unit (20) and a memory (32) storing variation functions. Drive control includes a function generator (optionally random number-based) producing the torque variation function. Two rollers are driven in a stand with 2n rollers, n being integer. Rollers have at least two different diameters. A speed controller (14,10,11) is provided for the band. At least one roller (3,6) axis is outside the plane defined by other adjacent rollers (2,4; 5,7). A band guidance unit has variable spacing ahead of a roller nip.

IPC 1-7  
**D21G 1/00**

IPC 8 full level  
**D21G 1/00** (2006.01)

CPC (source: EP US)  
**D21G 1/0006** (2013.01 - EP US); **D21G 1/0026** (2013.01 - EP US)

Cited by  
EP1275775A1; EP1275777A1; EP1275774A1; EP1275776A1; EP1876293A1; EP1176251A1; US6902691B2; US6857356B2; US6851356B2; WO2008138692A1; WO2007144840A1; WO2007144841A1; US6892631B2; DE202012001302U1; EP2128337A1; DE102008026344A1

Designated contracting state (EPC)  
AT DE FI FR GB SE

DOCDB simple family (publication)  
**EP 0949378 A1 19991013; EP 0949378 B1 20021211**; AT E229593 T1 20021215; CA 2267965 A1 19991006; CA 2267965 C 20040203; DE 19815339 A1 19991014; DE 59903709 D1 20030123; US 6199476 B1 20010313

DOCDB simple family (application)  
**EP 99106505 A 19990330**; AT 99106505 T 19990330; CA 2267965 A 19990406; DE 19815339 A 19980406; DE 59903709 T 19990330; US 28039599 A 19990405