

Title (en)
Tensioning system for printing devices

Title (de)
Spannvorrichtung für Drucker

Title (fr)
Système de tension pour imprimantes

Publication
EP 1574348 A1 20050914 (EN)

Application
EP 05447053 A 20050310

Priority
• EP 05447053 A 20050310
• EP 04447223 A 20041008
• US 55244104 P 20040310

Abstract (en)
The present invention is related to a tensioning system for printers comprising means for applying a tension force to a printing media along a contact zone characterised in that said means comprises a plurality of tensioning rolls (5) placed longitudinally next to each other, each roll being independently spring loaded (6) on each end. <IMAGE>

IPC 1-7
B41J 15/16; **B65H 23/025**

IPC 8 full level
B41J 15/16 (2006.01); **B65H 23/025** (2006.01); **B65H 23/16** (2006.01)

CPC (source: EP)
B41J 15/16 (2013.01); **B65H 23/16** (2013.01); **B65H 2801/12** (2013.01); **B65H 2801/36** (2013.01)

Citation (applicant)
• US 5649890 A 19970722 - LAPP JOACHIM ALFRED [DE], et al
• DE 10135124 A1 20030206 - LUERAFLEX GMBH G LUECKENOTTO [DE]
• EP 1457347 A1 20040915 - HEWLETT PACKARD DEVELOPMENT CO [US]
• EP 0826480 A2 19980304 - NIPPON PETROCHEMICALS CO LTD [JP]

Citation (search report)
• [X] GB 736674 A 19550914 - JOHN DOUGLAS ROBERTSON
• [XA] US 3266743 A 19660816 - MOSER HENRY W, et al
• [X] US 674919 A 19010528 - JEFFERIS JOHN PARKER [US]
• [PX] EP 1457347 A1 20040915 - HEWLETT PACKARD DEVELOPMENT CO [US]
• [A] US 4669646 A 19870602 - OINONEN HANNU [FI]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1574348 A1 20050914; **EP 1574348 B1 20071226**

DOCDB simple family (application)
EP 05447053 A 20050310