

Title (en)  
A printing apparatus

Title (de)  
Drucker

Title (fr)  
Imprimante

Publication  
**EP 1733894 A1 20061220 (EN)**

Application  
**EP 05105364 A 20050617**

Priority  
EP 05105364 A 20050617

Abstract (en)  
A printing apparatus comprises a media supporting axis (60) for a roll (3) of printing media (M); the axis (60) can rotate in a first direction (A) to allow feeding said printing media (M) past a printhead (1) in an advance direction during a printing operation, and the apparatus comprises means (80) for rotating said axis (60) in a second direction (B) opposite to said first direction (A). Said axis (60) may be arranged around an inner axis (70) which is supported in the apparatus, and the means for rotating said axis (60) may comprise a torsion spring (80) arranged between axis (60) and axis (70). Media waste can be avoided in certain circumstances, by allowing pulling back media reliably towards the printer.

IPC 8 full level  
**B41J 15/16** (2006.01); **B65H 23/06** (2006.01)

CPC (source: EP)  
**B41J 15/04** (2013.01); **B41J 15/16** (2013.01); **B65H 23/06** (2013.01); **B65H 2402/54** (2013.01)

Citation (applicant)  
US 2004036755 A1 20040226 - GUILLEN ROBERTO [ES], et al

Citation (search report)  
• [XY] EP 0780725 A1 19970625 - NORITSU KOKI CO LTD [JP]  
• [X] US 4570870 A 19860218 - ITO KAORU [JP]  
• [Y] WO 0047508 A1 20000817 - EXPAND INT AB [SE], et al  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 315 (M - 529) 25 October 1986 (1986-10-25)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 139 (M - 387) 14 June 1985 (1985-06-14)

Cited by  
ITFI20110182A1; CN103118875A; CN108053548A; US8714471B2; WO2012015537A1

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Designated extension state (EPC)  
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