

Title (en)

Display of size of paper stored in printer paper tray

Title (de)

Einrichtung zur Anzeige der Grösse von Papier dass in einer Drucker Kassette gespeichert ist

Title (fr)

Dispositif d'affichage de la taille du papier emmagasiné dans la cassette d'une imprimante

Publication

**EP 0923003 A3 20000712 (EN)**

Application

**EP 98304627 A 19980611**

Priority

KR 19970068325 A 19971212

Abstract (en)

[origin: EP0923003A2] A display of the size of paper stored in a paper tray (30) of a printer is provided. The display includes at least one control plate (41) capable of sliding linearly in a predetermined direction, installed in the paper tray (30) to define the edges of the stored paper, a pulley wheel (46) capable of rotating around one point (45), in one side of the paper tray (30), and linear/rotary movement converting means for converting linear movement of the control plate (41) into corresponding rotary movement of the pulley wheel (46), in which a window (33) is provided in the paper tray (30) to show a portion of the pulley wheel (46), and paper size indicators are displayed in radially-divided regions of the pulley wheel (46) to show the paper size according to the position of the control plate (41). Thus, the size of the paper stored in the paper tray (30) can be seen from the outside, so that the paper tray (30) need not be opened to check the size of the stored paper. <IMAGE>

IPC 1-7

**G03G 15/00**; **B65H 1/04**

IPC 8 full level

**B41J 29/42** (2006.01); **B41J 13/10** (2006.01); **B65H 1/00** (2006.01); **B65H 1/04** (2006.01); **G03G 15/00** (2006.01); **H04N 1/00** (2006.01)

CPC (source: EP KR)

**B41J 13/10** (2013.01 - KR); **B65H 1/04** (2013.01 - EP); **B65H 1/266** (2013.01 - EP); **G03G 15/6502** (2013.01 - EP); **B65H 2511/10** (2013.01 - EP); **B65H 2511/11** (2013.01 - EP); **B65H 2511/22** (2013.01 - EP); **B65H 2551/20** (2013.01 - EP); **G03G 2215/00734** (2013.01 - EP)

Citation (search report)

- [Y] US 4697803 A 19871006 - KAN YUJI [JP], et al
- [XY] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10 31 October 1996 (1996-10-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09 31 October 1995 (1995-10-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 198 (M - 404) 15 August 1985 (1985-08-15)

Cited by

EP3023371A3; US9561920B1

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