

Title (en)

Method and apparatus for thermal printing suitable for large printing area.

Title (de)

Verfahren und Vorrichtung zum Thermodrucken für grosse Druckflächen.

Title (fr)

Méthode et dispositif d'impression thermique pour grandes surfaces.

Publication

**EP 0566161 B1 19950906 (EN)**

Application

**EP 93109128 A 19891221**

Priority

- EP 89123693 A 19891221
- JP 31542789 A 19891206
- JP 24050489 A 19890919
- JP 33466888 A 19881228

Abstract (en)

[origin: EP0566161A2] An apparatus and a method for thermally printing desired printing patterns on a printing object (11) is disclosed using a carbon ribbon (1) having thermally transferable carbon black on its front side. A printing head (19) placed on a first track creates the desired printing patterns on carbon ribbon and a thermal transfer roller (23) placed on a second track presses the front side of the carbon ribbon onto the printing object to thermally transfer the desired printing pattern from the carbon ribbon to the printing object. The carbon black is expended thereby and the expended carbon ribbon is guided in a closed loop to the front side of the unexpended carbon ribbon at the printing head to take extraneous images there.

IPC 1-7

**B41J 2/325**; B41J 17/42

IPC 8 full level

**B41J 2/325** (2006.01); **B41M 3/00** (2006.01); **B41M 5/00** (2006.01); **B41M 5/382** (2006.01)

CPC (source: EP)

**B41J 2/0057** (2013.01); **B41J 2/325** (2013.01); **B41M 3/00** (2013.01); **B41M 5/00** (2013.01); **B41M 5/38207** (2013.01)

Cited by

US5857785A; US6639618B2

Designated contracting state (EPC)

CH DE FR GB LI SE

DOCDB simple family (publication)

**EP 0566161 A2 19931020**; **EP 0566161 A3 19931201**; **EP 0566161 B1 19950906**

DOCDB simple family (application)

**EP 93109128 A 19891221**