

Title (en)
Single-pass color plotter.

Title (de)
Durchlauffarbdrucker.

Title (fr)
Appareil d'impression à couleurs à passage unique.

Publication
EP 0202140 A1 19861120 (EN)

Application
EP 86400773 A 19860411

Priority
US 72249785 A 19850412

Abstract (en)
A printer/plotter incorporates four individual microprocessor-based print stations (30Y), each for printing on a print media (16) a separate color image for superimposition with one another, forming a final full-color image. The four print stations are located along a transport path for single-pass operation, and each print station includes a transport system (36,38,42) that allows the media to traverse a print station with controlled forces exerted on the media by that station. The invention further includes a precise registration system (32,90) wherein each print station monitors registration marks to detect variations of the media (i.e., stretching or shrinkage) during the printing process and to correct for such variations on obtaining accurate registration of the individual images for a full-color result.

IPC 1-7
G03G 15/01; H04N 1/46

IPC 8 full level
B41J 2/525 (2006.01); **G03G 15/01** (2006.01)

CPC (source: EP)
G03G 15/0142 (2013.01)

Citation (search report)
• [A] US 4401024 A 19830830 - FRENTRESS ZANE [US]
• [A] US 4007489 A 19770208 - HELMBERGER JOSEF, et al
• [A] EP 0110668 A1 19840613 - XEROX CORP [US]
• [AD] US 4419679 A 19831206 - RUTHERFORD SHERMAN L [US], et al

Cited by
EP0435520A3; US6160564A; CN1080647C; EP0876919A4

Designated contracting state (EPC)
BE DE FR GB IT LU NL

DOCDB simple family (publication)
EP 0202140 A1 19861120; **EP 0202140 B1 19900103**; CA 1295881 C 19920218; DE 3668079 D1 19900208; JP S61280939 A 19861211

DOCDB simple family (application)
EP 86400773 A 19860411; CA 506393 A 19860411; DE 3668079 T 19860411; JP 8484786 A 19860412