

Title (en)

Ballistic aerosol marking apparatus

Title (de)

Ballistische Aerosolmarkiervorrichtung

Title (fr)

Dispositif marqueur balistique à aérosol

Publication

EP 0990523 B1 20070404 (EN)

Application

EP 99307690 A 19990929

Priority

- US 16389398 A 19980930
- US 16412498 A 19980930
- US 16425098 A 19980930
- US 16380898 A 19980930
- US 16376598 A 19980930
- US 16395498 A 19980930
- US 16392498 A 19980930
- US 16410498 A 19980930

Abstract (en)

[origin: EP0990523A2] A print head (24) is disclosed for use in a marking apparatus in which a propellant stream (A) is passed through a channel (34) and directed toward a substrate (38). Marking material (28), such as ink, toner, etc., is controllably introduced into the propellant stream (A) and imparted with sufficient kinetic energy thereby to be made incident upon the substrate (38). A multiplicity of channels for directing the propellant and marking material allow for high throughput, high resolution marking. Multiple marking materials (28C, 28M, 28Y, 28K) may be introduced into the channel (34) and mixed therein prior to being made incident on the substrate (38), or mixed or superimposed on the substrate (38) without re-registration. One example is a single-pass, full-color printer. <IMAGE>

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/385** (2006.01); **B41J 2/14** (2006.01); **B41J 2/21** (2006.01)

CPC (source: EP KR)

B41J 2/01 (2013.01 - KR); **B41J 2/14** (2013.01 - EP); **B41J 2/14008** (2013.01 - EP); **B41J 2/211** (2013.01 - EP); **B41J 2202/02** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0990523 A2 20000405; **EP 0990523 A3 20000816**; **EP 0990523 B1 20070404**; BR 9904416 A 20000905; DE 69935694 D1 20070516; DE 69935694 T2 20071227; JP 2000108400 A 20000418; JP 4294812 B2 20090715; KR 100839002 B1 20080618; KR 20000023390 A 20000425

DOCDB simple family (application)

EP 99307690 A 19990929; BR 9904416 A 19990930; DE 69935694 T 19990929; JP 26933499 A 19990922; KR 19990040940 A 19990922