

Title (en)

Print head for use in a ballistic aerosol marking apparatus

Title (de)

Druckkopf zur Verwendung in einer ballistischen Aerosolmarkiervorrichtung

Title (fr)

Tête d'impression utilisée dans un dispositif d'impression ballistique à aérosol

Publication

EP 0990525 B1 20060823 (EN)

Application

EP 99307688 A 19990929

Priority

- US 16390498 A 19980930
- US 16379998 A 19980930

Abstract (en)

[origin: EP0990525A2] A print head 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 and imparted with sufficient kinetic energy thereby to be made incident upon the substrate (38). A multiplicity of channels (38) 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. <IMAGE>

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/045** (2006.01); **B41J 2/055** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP)

B41J 2/14 (2013.01); **B41J 2/14008** (2013.01); **B41J 2202/02** (2013.01)

Cited by

CN113173005A; US11325380B2; US11925932B2; WO2020018073A1; US11547993B2; US11931738B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0990525 A2 20000405; **EP 0990525 A3 20000816**; **EP 0990525 B1 20060823**; DE 69932902 D1 20061005; DE 69932902 T2 20070308; JP 2000108339 A 20000418

DOCDB simple family (application)

EP 99307688 A 19990929; DE 69932902 T 19990929; JP 26928899 A 19990922