

Title (en)

Intermittent electrocoagulation printing method and apparatus

Title (de)

Intermittierendes Elektrocoagulationsdruckverfahren und Vorrichtung

Title (fr)

Appareil et procédé d'impression intermittent par électrocoagulation

Publication

EP 1084828 B1 20040512 (EN)

Application

EP 00120006 A 20000914

Priority

CA 2282188 A 19990915

Abstract (en)

[origin: EP1084828A2] An image is reproduced and transferred onto a substrate by (a) providing a positive electrode having a continuous passivated surface moving at substantially constant speed along a predetermined path, the passivated surface defining a positive electrode active surface; (b) forming on the positive electrode active surface a plurality of dots of colored, coagulated ink representative of a desired image, by electrocoagulation of an electrolytically coagulable polymer present in an electrocoagulation printing ink containing a coloring agent; and (c) bringing a substrate into contact with the dots of colored, coagulated ink to cause transfer of the colored, coagulated ink from the positive electrode active surface onto the substrate and thereby imprint the substrate with the image.

IPC 1-7

B41C 1/10

IPC 8 full level

B41C 1/10 (2006.01)

CPC (source: EP)

B41C 1/105 (2013.01)

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

EP 1084828 A2 20010321; EP 1084828 A3 20010404; EP 1084828 B1 20040512; CA 2282188 A1 20010315; CA 2282188 C 20050426; DE 60010605 D1 20040617; DE 60010605 T2 20051020

DOCDB simple family (application)

EP 00120006 A 20000914; CA 2282188 A 19990915; DE 60010605 T 20000914