

Title (en)

METHOD FOR HEATING AND FIXING A COLOUR INKING ON A TRANSPARENT PLATE-SHAPED SUPPORT

Title (de)

VERFAHREN ZUM ERWÄRMEN UND FIXIEREN EINES FARBAUFTRAGES AUF EINEM PLATTENFÖRMIGEN TRANSPARENTEN TRÄGER

Title (fr)

PROCEDE POUR CHAUFFER ET FIXER UNE COUCHE DE COULEUR SUR UN SUPPORT TRANSPARENT SOUS FORME DE PLAQUE

Publication

EP 1373984 A1 20040102 (DE)

Application

EP 02722254 A 20020321

Priority

- DE 10114526 A 20010322
- EP 0203115 W 20020321

Abstract (en)

[origin: WO02077720A1] The invention relates to a method for heating and fixing an inking, particularly a toner powder on a plate-shaped support, according to which the inking applied to the coated upper side of the support is fixed on the support by heat action. The aim of the invention is to be able to fix toner inkings on thick-walled supports whereby adhering well thereto. To this end, the coated upper side and/or the uncoated underside of the plate-shaped support is subjected to the action of infrared radiation and/or of a hot air stream and/or of a microwave radiation, and a support having a high weight per unit area is used, which permits a portion of the infrared radiation and/or hot air stream and/or microwave radiation directed onto the uncoated underside of the support to pass through while absorbing another portion of the same.

IPC 1-7

G03G 15/20

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP US)

G03G 15/2007 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

LT LV SI

DOCDB simple family (publication)

WO 02077720 A1 20021003; AT E368877 T1 20070815; CA 2441285 A1 20021003; CN 1317608 C 20070523; CN 1489721 A 20040414; DE 10114526 A1 20030403; DE 10114526 B4 20050407; DE 50210593 D1 20070913; EP 1373984 A1 20040102; EP 1373984 B1 20070801; US 2005100812 A1 20050512; US 7326443 B2 20080205

DOCDB simple family (application)

EP 0203115 W 20020321; AT 02722254 T 20020321; CA 2441285 A 20020321; CN 02804278 A 20020321; DE 10114526 A 20010322; DE 50210593 T 20020321; EP 02722254 A 20020321; US 47255703 A 20030919