

Title (en)
INK JET IMAGING PROCESS AND RECORDING ELEMENT

Title (de)
TINTENSTRAHLAUFZEICHNUNGSVERFAHREN UND AUFZEICHNUNGSMATERIAL

Title (fr)
PROCEDE DE PRODUCTION D'IMAGE A JET D'ENCRE ET ELEMENT D'ENREGISTREMENT

Publication
EP 0716633 A4 19970305 (EN)

Application
EP 94927239 A 19940902

Priority

- US 9409644 W 19940902
- US 11556193 A 19930903
- US 11556493 A 19930903

Abstract (en)
[origin: WO9506564A1] A novel three step process is disclosed for the manufacture of protected, full-color ink jet images for use on large format posters, billboards and the like. An ink receptive element (10), which is used in the process, comprises a temporary carrier layer (12); a protective layer (14), and an ink receptive layer (18). The novel imaging process comprises: A) depositing an ink image layer (17) on the surface of the ink receptive element (10), so that the ink image layer (17) is adhered to the surface of the ink receptive layer (18); B) pressure laminating and adhering a receptor substrate (20) to the ink image layer (17) to form a laminated image element (30); and C) removing the temporary carrier layer (12) from the protective layer (14) of the laminated image element (30) to form a protected imaged substrate (40).

IPC 1-7
B41M 3/12; B44C 1/16

IPC 8 full level
B41J 29/00 (2006.01); **B41M 5/00** (2006.01); **B41M 5/52** (2006.01); **B41M 7/00** (2006.01); **B44C 1/17** (2006.01); **B41M 5/50** (2006.01)

CPC (source: EP)
B41M 5/506 (2013.01); **B41M 7/0027** (2013.01); **B44C 1/1712** (2013.01); **B41M 5/5236** (2013.01); **B41M 5/5254** (2013.01); **B41M 5/5272** (2013.01); **B41M 5/5281** (2013.01)

Citation (search report)

- [A] US 4780348 A 19881025 - YAMAMATO MAYUMI [JP], et al
- [A] EP 0546650 A1 19930616 - MANNESMANN AG [DE]
- [A] DE 3717107 A1 19871126 - CANON KK [JP]
- See references of WO 9506564A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9506564 A1 19950309; AU 7674794 A 19950322; DE 69422048 D1 20000113; DE 69422048 T2 20000531; DE 716633 T1 19961128; EP 0716633 A1 19960619; EP 0716633 A4 19970305; EP 0716633 B1 19991208; JP H09503168 A 19970331

DOCDB simple family (application)
US 9409644 W 19940902; AU 7674794 A 19940902; DE 69422048 T 19940902; DE 94927239 T 19940902; EP 94927239 A 19940902; JP 50819194 A 19940902