

Title (en)

Production of decalcomanias and apparatus for the production thereof.

Title (de)

Herstellung von Abziehbildern, und Vorrichtung zu deren Herstellung.

Title (fr)

Fabrication de décalcomanies, et dispositif pour leur fabrication.

Publication

EP 0059276 A1 19820908 (EN)

Application

EP 81300821 A 19810227

Priority

EP 81300821 A 19810227

Abstract (en)

A decal comprises a backing layer, a release layer deposited thereon and at least one layer formed of heat processable melted thermoplastic ink deposited over the release layer. The decal may be manufactured by a method wherein the decal is printed with an offset rotogravure process utilizing solventless thermoplastic inks is disclosed. By controlling the temperature of the gravure rolls (42), the offset rolls (40) and the back-up rolls, (38), a continuous process is maintained which is capable of printing all layers of a decal without intermediate drying steps. In one embodiment the decal is a ceramic heat release decal especially suited for the manufacture of decorated tableware. Apparatus for carrying out the method is also disclosed.

IPC 1-7

B44C 1/16; **B41M 3/12**

IPC 8 full level

B41M 3/12 (2006.01); **B44C 1/17** (2006.01)

CPC (source: EP)

B41M 3/12 (2013.01); **B44C 1/1716** (2013.01)

Citation (search report)

- US 2970076 A 19610131 - PORTH FRANK L
- US 3007829 A 19611107 - AKKERON LUDWIG F
- US 4068033 A 19780110 - MEADE HAZEL
- GB 2005596 A 19790425 - LETRASET INTERNATIONAL LTD
- GB 1447068 A 19760825 - MURRAY CURVEX PRINTING LTD
- US 3554836 A 19710112 - STEINDORF GORDON A
- US 2322445 A 19430622 - WALTER HUBER
- US 3445309 A 19690520 - MILLIKEN THOMAS J
- US 3255695 A 19660614 - JOHNSON CARL R, et al
- US 3533822 A 19701013 - BAILEY EDWARD T

Cited by

US5981009A; GB2317852A; US6146485A; EP0539924A1; GB2236984A; GB2236984B; WO9833663A1

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

EP 0059276 A1 19820908; **EP 0059276 B1 19860528**; AT E19999 T1 19860615; DE 3174691 D1 19860703

DOCDB simple family (application)

EP 81300821 A 19810227; AT 81300821 T 19810227; DE 3174691 T 19810227