

Title (en)  
INKJET TRANSFER SYSTEMS FOR DARK TEXTILE SUBSTRATES

Title (de)  
TINTENSTRAHL-TRANSFERSYSTEME FÜR DUNKLE TEXTILSUBSTRATE

Title (fr)  
SYSTEMES DE TRANSFERT PAR JET D'ENCRE POUR SUBSTRATS TEXTILES FONCES

Publication  
**EP 1181409 B1 20040114 (DE)**

Application  
**EP 99921049 A 19990601**

Priority  
IB 9900976 W 19990601

Abstract (en)  
[origin: WO0073570A1] The invention relates to an inkjet transfer system and to a transfer printed product for dark textile substrates which is highly wash-resistant and color-fast while being ecologically friendly. The invention further relates to a method of producing said system and to a printing process that uses the inventive inkjet transfer system. The inventive inkjet transfer system comprises a substrate, a hot-melt layer that is applied on said substrate and that has spherical polyester particles of a grain size of less than 30  $\mu\text{m}$  that have been dispersed into said layer. It further comprises a white background layer that consists of an elastic synthetic material that does not melt at temperatures of up to 220 DEG C, that is filled with white inorganic pigments and that is applied on the hot-melt layer. It also includes an ink receiving layer.

IPC 1-7  
**D06Q 1/12**; **B41M 5/035**; **B44C 1/17**

IPC 8 full level  
**B41M 5/025** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **B44C 1/17** (2006.01); **D06P 5/24** (2006.01); **D06P 5/30** (2006.01); **D06Q 1/12** (2006.01); **B41M 5/00** (2006.01)

CPC (source: EP US)  
**B41J 2/0057** (2013.01 - US); **B41M 5/0256** (2013.01 - EP US); **B41M 5/502** (2013.01 - US); **B41M 5/506** (2013.01 - EP US); **B44C 1/1716** (2013.01 - EP US); **D06P 5/003** (2013.01 - EP US); **D06P 5/007** (2013.01 - EP US); **D06P 5/30** (2013.01 - EP US); **D06Q 1/12** (2013.01 - EP US); **B41M 5/508** (2013.01 - EP US); **B41M 5/52** (2013.01 - EP US)

Cited by  
CN107885043A

Designated contracting state (EPC)  
CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**WO 0073570 A1 20001207**; AU 3841899 A 20001218; AU 783980 B2 20060112; DE 59908325 D1 20040219; EP 1181409 A1 20020227; EP 1181409 B1 20040114; US 2012007931 A1 20120112; US 2012092429 A1 20120419; US 2012105560 A1 20120503; US 2012118479 A1 20120517; US 2012120132 A1 20120517; US 2012120170 A1 20120517; US 2012236099 A1 20120920; US 2013287973 A1 20131031; US 2014044895 A1 20140213; US 2014240420 A1 20140828; US 2014240421 A1 20140828; US 7943214 B1 20110517; US 9669618 B2 20170606

DOCDB simple family (application)  
**IB 9900976 W 19990601**; AU 3841899 A 19990601; DE 59908325 T 19990601; EP 99921049 A 19990601; US 201113177284 A 20110706; US 201113182197 A 20110713; US 201113196624 A 20110802; US 201113207236 A 20110810; US 201113223541 A 20110901; US 201113286856 A 20111101; US 201313930116 A 20130628; US 201314040957 A 20130930; US 201414272647 A 20140508; US 201414272652 A 20140508; US 97755510 A 20101223; US 98046699 A 19990601