

Title (en)  
ADHESIVE MICROPOROUS TRANSFER MATERIAL

Title (de)  
HAFTENDES MIKROPORÖSES TRANSFERMATERIAL

Title (fr)  
MATÉRIAU DE TRANSFERT ADHÉSIF MICROPOREUX

Publication  
**EP 3323624 A1 20180523 (DE)**

Application  
**EP 16199112 A 20161116**

Priority  
EP 16199112 A 20161116

Abstract (en)  
[origin: WO2018091179A1] The invention relates to a transfer material for the dye sublimation transfer method (sublimation paper) for printing an inkjet print image, comprising a substrate and an ink receiving layer, which layer contains a pigment and a binding agent, on the front face of the transfer material, the ink receiving layer being porous and thermoplastic particles being arranged on the ink receiving layer. The porous ink receiving layer, together with the thermoplastic particles arranged thereon, have an air permeance according to Bendtsen of greater than 100 ml/min and the thermoplastic particles have a diameter of 0.3 µm to 5 µm and a melting point of 60°C to 170°C.

Abstract (de)  
Beansprucht wird ein Transfermaterial für das Farbstoff-Sublimationsübertragungsverfahren eines Inkjet-Druckbilds, umfassend einen Träger (1) und eine Farbaufnahmeschicht (2) auf der Vorderseite des Transfermaterials, wobei die Farbaufnahmeschicht porös ist und auf der Farbaufnahmeschicht thermoplastische Teilchen (3) angeordnet sind.

IPC 8 full level  
**B41M 5/025** (2006.01); **B41M 5/035** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **D06P 5/28** (2006.01)

CPC (source: EP KR US)  
**B41M 5/0256** (2013.01 - EP US); **B41M 5/035** (2013.01 - EP US); **B41M 5/0355** (2013.01 - EP US); **B41M 5/506** (2013.01 - EP US); **B41M 5/52** (2013.01 - EP US); **B41M 5/5218** (2013.01 - KR); **B41M 5/5272** (2013.01 - KR); **D06P 5/004** (2013.01 - EP US); **B41M 5/5254** (2013.01 - EP US); **B41M 5/5272** (2013.01 - EP US); **B41M 2205/02** (2013.01 - EP US); **B41M 2205/38** (2013.01 - US); **B41M 2205/42** (2013.01 - US)

Citation (applicant)

- DE 10246209 A1 20040415 - BASF AG [DE]
- EP 1101682 A1 20010523 - NIPPON SHOOTER LTD [JP]
- US 2008229962 A1 20080925 - SHEDD MATTHEW WARREN [US], et al
- EP 1102682 A1 20010530 - SANDERS W A PAPIER [NL]
- EP 1878829 A1 20080116 - PAPIERFABRIKEN CHAM TENERO AG [CH]
- DE 102014116550 A1 20160512 - KOEHLER SE AUGUST PAPIERFABRIK [DE]
- B. THOMPSON, PRINTING MATERIALS - SCIENCE AND TECHNOLOGY, 1998, pages 468

Citation (search report)

- [AD] DE 102014116550 A1 20160512 - KOEHLER SE AUGUST PAPIERFABRIK [DE]
- [A] EP 0906832 A1 19990407 - SCHOELLER FELIX JUN FOTO [DE]

Cited by  
WO2022223130A1; WO2020256549A1

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Designated extension state (EPC)  
BA ME

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