

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

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3323624 A1 20180523; **EP 3323624 B1 20190102**; BR 112018068322 A2 20190618; BR 112018068322 B1 20230425; CN 109153276 A 20190104; CN 109153276 B 20200804; ES 2708857 T3 20190411; JP 2019515814 A 20190613; JP 6937772 B2 20210922; KR 102220467 B1 20210225; KR 20180110124 A 20181008; PL 3323624 T3 20190430; SI 3323624 T1 20190531; US 10632778 B2 20200428; US 2019263164 A1 20190829; WO 2018091179 A1 20180524

DOCDB simple family (application)
EP 16199112 A 20161116; BR 112018068322 A 20170925; CN 201780021983 A 20170925; EP 2017074240 W 20170925; ES 16199112 T 20161116; JP 2018546704 A 20170925; KR 20187026485 A 20170925; PL 16199112 T 20161116; SI 201630224 T 20161116; US 201716347920 A 20170925