

Title (en)
TRANSFER FILM AND COLD FILM TRANSFER METHOD

Title (de)
TRANSFERFOLIE UND KALTFOLIENTRANSFERVERFAHREN

Title (fr)
FILM DE TRANSFERT ET PROCÉDÉ DE TRANSFERT DE FILMS À FROID

Publication
EP 2172347 A2 20100407 (DE)

Application
EP 09011629 A 20090911

Priority
DE 102008047095 A 20080912

Abstract (en)
The film (40) has a transfer layer (41) detachable from a carrier foil (42) formed from polyethylene terephthalate (PET). A transparent releasing layer (43), a transparent protective lacquer layer (44), a decorative layer (45) and a base coating layer (46) are provided in the transfer layer towards the foil. The coating layer has a thermoplastic adhesive that is activated in a temperature range of less than 90 degree Celsius. The releasing layer is formed based on acrylate-copolymers. The decorative layer is formed by a metallic layer and a dielectric layer formed from metal oxide and polymer. An independent claim is also included for a cold film transfer method for processing transfer films.

Abstract (de)
Die Erfindung betrifft Transferfolien, deren Verwendung in einem Kaltfolientransferverfahren, sowie geeignete Kaltfolientransferverfahren. Die erfindungsgemäßen Transferfolien weisen eine thermoplastische Grundierungsschicht und/oder eine Wachs-freie und/oder Silikon-freie Ablöseschicht auf.

IPC 8 full level
B44C 1/17 (2006.01); **B44C 1/175** (2006.01)

CPC (source: EP)
B44C 1/1712 (2013.01); **B44C 1/1716** (2013.01); **B44C 1/1733** (2013.01); **B44C 1/1741** (2013.01)

Citation (applicant)
• EP 0578706 A1 19940119 - LAPPE KURT [DE], et al
• EP 1880848 A2 20080123 - ROLAND MAN DRUCKMASCH [DE]
• DE 10349963 A1 20050602 - KURZ LEONHARD FA [DE]

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US2018072045A1; EP3275647A4; CN113165407A; EP3173248A4; CN114728538A; CN102310674A; DE102018123471A1; CN107531042A; US10814667B2; US10562292B2; CN108472980A; US2018311997A1; CN111016316A; CN114126875A; IL259012A; CN114746282A; US2022410613A1; WO2021073991A1; WO2016150681A1; DE102018105735A1; EP3587480A2; US11059276B2; TWI764875B; TWI683752B; TWI772704B; WO2017076872A3; WO2021110439A3; WO2021110439A2

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2172347 A2 20100407; **EP 2172347 A3 20120711**; **EP 2172347 B1 20181114**; DE 102008047095 A1 20100318; EP 3441234 A1 20190213; EP 3441234 B1 20211222; PL 2172347 T3 20190430; PL 3441234 T3 20220404; TR 201900866 T4 20190221

DOCDB simple family (application)
EP 09011629 A 20090911; DE 102008047095 A 20080912; EP 18196930 A 20090911; PL 09011629 T 20090911; PL 18196930 T 20090911; TR 201900866 T 20090911