

Title (en)

DIGITAL PRINTING PLASTIC CONTAINERS WITH IMPROVED ADHESION AND RECYCLABILITY

Title (de)

DIGITALES BEDRUCKEN VON KUNSTSTOFFBEHÄLTERN MIT VERBESSERTER HAFTUNG UND WIEDERVERWERTBARKEIT

Title (fr)

IMPRESSION NUMÉRIQUE POUR RÉCIPIENTS EN PLASTIQUE AVEC ADHÉRENCE ET RECYCLABILITÉ AMÉLIORÉES

Publication

EP 2349730 A4 20121010 (EN)

Application

EP 09822526 A 20091020

Priority

- US 2009061238 W 20091020
- US 10686008 P 20081020

Abstract (en)

[origin: US2010096386A1] A container having an external surface with a digital image printed thereon by droplets of ink is provided. The digital image includes a base coat and a secondary coat that is applied to the base coat. In an embodiment, the digital image adheres to the container with an acceptable or sufficient adhesion score and the image is removable using conventional recycling processes. Methods for digitally printing containers and facilitating recycling are also disclosed.

IPC 8 full level

B41J 29/38 (2006.01); **B32B 1/00** (2024.01)

CPC (source: EP KR US)

B32B 1/00 (2013.01 - KR); **B41J 29/38** (2013.01 - KR); **B41M 1/40** (2013.01 - KR); **B41M 5/0017** (2013.01 - EP US); **B41M 5/0082** (2013.01 - EP US); **B41M 7/0081** (2013.01 - EP US); **B65D 23/0814** (2013.01 - EP US); **B65D 25/34** (2013.01 - KR); **B41M 7/0009** (2013.01 - EP US); **B65D 2203/00** (2013.01 - EP US); **B65D 2565/385** (2013.01 - EP US); **Y02W 30/80** (2015.05 - EP US)

Citation (search report)

- [XI] WO 9908935 A1 19990225 - PROCTER & GAMBLE [US], et al
- [XI] US 2007264454 A1 20071115 - UPTERGROVE RONALD L [US]
- See also references of WO 2010048119A1

Cited by

WO2014032936A1; US9453134B2

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

DOCDB simple family (publication)

US 2010096386 A1 20100422; AU 2009307758 A1 20100429; AU 2009307758 B2 20150813; AU 2009307758 C1 20160721; BR PI0920149 A2 20151222; CA 2738808 A1 20100429; CN 102186676 A 20110914; CN 102186676 B 20141203; EP 2349730 A1 20110803; EP 2349730 A4 20121010; JP 2012506349 A 20120315; JP 2015057357 A 20150326; KR 20110073594 A 20110629; MX 2011004208 A 20110524; RU 2011120183 A 20121127; RU 2560871 C2 20150820; WO 2010048119 A1 20100429

DOCDB simple family (application)

US 58195209 A 20091020; AU 2009307758 A 20091020; BR PI0920149 A 20091020; CA 2738808 A 20091020; CN 200980141271 A 20091020; EP 09822526 A 20091020; JP 2011533260 A 20091020; JP 2014256981 A 20141219; KR 20117011369 A 20091020; MX 2011004208 A 20091020; RU 2011120183 A 20091020; US 2009061238 W 20091020