

Title (en)
ROSIN ESTERS FOR NON-WOVENS

Title (de)
KOLOPHONIUMESTER FÜR VLIESSTOFFE

Title (fr)
ESTERS DE COLOPHANE POUR DES NON TISSÉS

Publication
EP 2697322 A4 20150805 (EN)

Application
EP 11863683 A 20110411

Priority
US 2011031884 W 20110411

Abstract (en)
[origin: WO2012141675A1] Rosin esters having suitable color, color stability and/or odor to make them useful for non-woven applications, to non-woven products made from and/or comprising rosin esters, and to methods of making and using such rosin esters and products.

IPC 8 full level
C09F 1/04 (2006.01); **C08L 93/04** (2006.01); **C09J 193/04** (2006.01)

CPC (source: EP KR)
C08L 93/04 (2013.01 - EP KR); **C09F 1/04** (2013.01 - EP KR); **C09J 193/04** (2013.01 - EP KR)

Citation (search report)

- [X] US 4842691 A 19890627 - NAKAJIMA MASATO [JP], et al
- [XY] US 2005113499 A1 20050526 - TAMCKE THOMAS [DE], et al
- [XY] WO 0006657 A2 20000210 - INT PAPER CO [US]
- [XY] US 5552519 A 19960903 - HEMMINGS PAUL N [GB], et al
- [Y] US 3377334 A 19680409 - JAMES MCBRIDE JOSEPH, et al
- [XY] US 2007179277 A1 20070802 - DALLAVIA ANTHONY J [US]
- [X] DATABASE CA [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 23 April 2003 (2003-04-23), SATO, KOJI: "Hybrid curable compositions, inks from them, and printing method using them", XP002741094, retrieved from STN Database accession no. 2003:309282 & JP 2003119230 A 20030423 - TOYO INK MFG CO
- See references of WO 2012141675A1

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

DOCDB simple family (publication)
WO 2012141675 A1 20121018; AU 2011365712 A1 20131031; BR 112013026297 A2 20170606; CA 2833114 A1 20121018; CN 103517957 A 20140115; CN 103517957 B 20150610; EP 2697322 A1 20140219; EP 2697322 A4 20150805; JP 2014517091 A 20140717; KR 20140022059 A 20140221; RU 2013145603 A 20150520; RU 2569081 C2 20151120

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