

Title (en)  
Composition for rinsing and drying vehicles

Title (de)  
Zusammensetzung zum Abspülen und Trocknen von Fahrzeugen

Title (fr)  
Composition de rinçage et de séchage de véhicules

Publication  
**EP 1840197 A1 20071003 (EN)**

Application  
**EP 07101949 A 20070208**

Priority  
ES 200600853 A 20060331

Abstract (en)  
The invention relates to a composition for rinsing and drying vehicles comprising at least one addition salt of an ester amine with formula (1) wherein m and n independently of each other are 0 or a whole number between 1 and 10, R is an alkyl or alkenyl group having 6 to 22 linear or branched, saturated or unsaturated carbon atoms, R 1 is hydrogen or a -CO-R group, R 2 is an alkylene group having 1 to 4 carbon atoms, R 3 is hydrogen or an alkyl group having 1 to 4 carbon atoms, R 4 is hydrogen or an alkyl group having 1 to 4 carbon atoms or a group wherein R 1 , R 2 and R 3 have the aforementioned meaning and p is 0 or a whole number between 1 and 10, with at least one organic or inorganic acid. Said composition makes it possible to rinse previously washed vehicles, enabling the fast and effective removal of water and particles left on the surface of the vehicles during the washing process, as well as providing adequate shine.

IPC 8 full level  
**C11D 1/46** (2006.01); **C11D 3/02** (2006.01); **C11D 3/20** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP ES)  
**C11D 1/46** (2013.01 - EP ES); **C11D 3/02** (2013.01 - ES); **C11D 3/042** (2013.01 - EP); **C11D 3/20** (2013.01 - ES); **C11D 3/2075** (2013.01 - EP); **C11D 11/00** (2013.01 - ES); **C11D 2111/14** (2024.01 - EP)

Citation (search report)

- [X] WO 9404642 A2 19940303 - COLGATE PALMOLIVE CO [US]
- [X] WO 9404641 A1 19940303 - COLGATE PALMOLIVE CO [US]
- [X] US 6465419 B1 20021015 - OSES BERMEJO MARIA JOSE [ES], et al
- [AD] US 5703029 A 19971230 - CRASS GERHARD [DE], et al

Cited by  
CN102260606A; CN109972221A; US8563499B2; US10011806B2; US8569224B2; US10113137B2; US8507425B2; US8883713B2; WO2009141308A1; US8361953B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1840197 A1 20071003**; ES 2294923 A1 20080401; ES 2294923 B1 20090216

DOCDB simple family (application)  
**EP 07101949 A 20070208**; ES 200600853 A 20060331