

Title (en)  
DISHWASHER RINSE AIDS AND DETERGENTS

Title (de)  
KLARSPÜL- UND GESCHIRRSPÜLMITTEL

Title (fr)  
PRODUITS DE RINÇAGE ET DE LAVAGE POUR VAISSELLE

Publication  
**EP 2768934 A1 20140827 (DE)**

Application  
**EP 12730580 A 20120702**

Priority  
• DE 102011084934 A 20111021  
• EP 2012062826 W 20120702

Abstract (en)  
[origin: WO2013056863A1] Dishwasher rinse aids and detergents comprising anionic surfactant(s) having at least one sulphate or sulphonate group and nonionic surfactant(s) bring about very good drying of the cleaned dishware in a machine dishwashing process. The machine dishwasher detergents additionally comprise polycarboxylic acid in combination with methylglycinediacetic acid or glutaminediacetic acid or ethylenediaminedisuccinic acid, or salts thereof.

IPC 8 full level  
**C11D 1/83** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01)

CPC (source: EP US)  
**C11D 1/83** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/2086** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US);  
**C11D 1/143** (2013.01 - EP US); **C11D 1/146** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/29** (2013.01 - EP US);  
**C11D 1/721** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013056863A1

Citation (examination)  
• WO 9813467 A1 19980402 - UNILEVER NV [NL], et al  
• US 6162259 A 20001219 - WILLIAMS NEE MAC BEATH FIONA S [GB]  
• US 6172036 B1 20010109 - CRUICKSHANK GRAEME DUNCAN [GB], et al

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)  
**DE 102011084934 A1 20130425**; EP 2768934 A1 20140827; US 2014228271 A1 20140814; US 2015329802 A1 20151119;  
WO 2013056863 A1 20130425

DOCDB simple family (application)  
**DE 102011084934 A 20111021**; EP 12730580 A 20120702; EP 2012062826 W 20120702; US 201414256295 A 20140418;  
US 201514810564 A 20150728