

Title (en)  
USE AND CLEANING COMPOSITION

Title (de)  
VERWENDUNG UND REINIGUNGSMITTEL

Title (fr)  
UTILISATION ET COMPOSITION DE NETTOYAGE

Publication  
**EP 4263771 A1 20231025 (EN)**

Application  
**EP 21823926 A 20211210**

Priority  
• EP 20214918 A 20201217  
• EP 2021085185 W 20211210

Abstract (en)  
[origin: WO2022128786A1] The invention relates to the use of a combination of a rhamnolipid biosurfactant and amphoteric surfactant selected from betaines, glucamides and sultaines to improve the cold cleaning performance at temperatures below 15°C, preferably below 12°C, more preferably 10°C and lower, of primary alkyl sulfate surfactant containing cleaning compositions, wherein the primary alkyl sulfate is a C10-C20 alkyl sulphate.

IPC 8 full level  
**C11D 1/06** (2006.01); **C11D 1/14** (2006.01); **C11D 1/94** (2006.01)

CPC (source: EP)  
**C11D 1/06** (2013.01); **C11D 1/146** (2013.01); **C11D 1/94** (2013.01); **C11D 1/90** (2013.01); **C11D 1/92** (2013.01)

Citation (search report)  
See references of WO 2022128786A1

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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022128786 A1 20220623**; CN 116583583 A 20230811; EP 4263771 A1 20231025

DOCDB simple family (application)  
**EP 2021085185 W 20211210**; CN 202180084977 A 20211210; EP 21823926 A 20211210