

Title (en)
COMPOUND COMPRISING POLYAMINE, CARBOXYLATE AND BORON FUNCTIONALITIES AND ITS USE AS A LUBRICANT ADDITIVE

Title (de)
VERBINDUNG MIT POLYAMIN-, CARBOXYLAT- UND BORFUNKTIONALITÄTEN UND DEREN VERWENDUNG ALS EIN SCHMIERMITTELADDITIV

Title (fr)
COMPOSÉ COMPRENANT DES FONCTIONNALITÉS POLYMAINE, CARB COMPOSÉ COMPRENANT DES FONCTIONNALITÉS POLYAMINE, CARBOXYLATE ET BORE ET SON UTILISATION COMME ADDITIF LUBRIFIANT

Publication
EP 3877490 A1 20210915 (EN)

Application
EP 19797305 A 20191107

Priority
• EP 18306475 A 20181109
• EP 2019080569 W 20191107

Abstract (en)
[origin: WO2020094800A1] A product resulting from the reaction of at least: - An alkali or alkaline earth metal hydroxybenzoate compound, optionally substituted by a hydrocarbyl group and optionally overbased, - a boron compound, - an amine component selected from a di-fatty-alkyl(ene) polyalkylamine composition comprising one or more polyalkylamines of formulae (I) or (II). A lubricant composition comprising this product. Use of this product as a lubricant for two-stroke marine engines and four-stroke marine engines, more preferably two-stroke marine engines.

IPC 8 full level
C10M 159/12 (2006.01); **C07F 5/04** (2006.01)

CPC (source: EP KR US)
C10M 159/12 (2013.01 - EP KR); **C10M 159/22** (2013.01 - US); **C10M 169/04** (2013.01 - US); **C10M 2201/087** (2013.01 - EP KR US); **C10M 2207/262** (2013.01 - EP KR US); **C10M 2215/04** (2013.01 - EP KR); **C10M 2217/046** (2013.01 - EP KR US); **C10N 2030/04** (2013.01 - EP KR US); **C10N 2030/08** (2013.01 - EP KR US); **C10N 2030/52** (2020.05 - EP KR US); **C10N 2040/252** (2020.05 - EP KR US); **C10N 2060/14** (2013.01 - US)

Citation (search report)
See references of WO 2020094800A1

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

DOCDB simple family (publication)
WO 2020094800 A1 20200514; CN 113227336 A 20210806; EP 3877490 A1 20210915; JP 2022512950 A 20220207; KR 20210088606 A 20210714; SG 11202104795Q A 20210629; US 2022010232 A1 20220113

DOCDB simple family (application)
EP 2019080569 W 20191107; CN 201980085624 A 20191107; EP 19797305 A 20191107; JP 2021524408 A 20191107; KR 20217016224 A 20191107; SG 11202104795Q A 20191107; US 201917292642 A 20191107