

Title (en)

CARBOXYMETHYLATED POLY(2-VINYLPYRIDINS) AS DIRT LOOSENING AGENTS

Title (de)

CARBOXYMETHYLIERTE POLY(2-VINYLPYRIDINE) ALS SCHMUTZABLÖSEVERMÖGENDE WIRKSTOFFE

Title (fr)

POLY(2-VINYLPYRIDINE) CARBOXYMÉTHYLÉE COMME PRINCIPE ACTIF FACILITANT L'ÉLIMINATION DES SALETÉS

Publication

EP 3848441 A1 20210714 (DE)

Application

EP 20215522 A 20201218

Priority

DE 102020200175 A 20200109

Abstract (de)

Die Reinigungsleistung von Waschmitteln beim Waschen von Textilien sollte verbessert werden. Dies gelang im Wesentlichen durch den Einsatz carboxymethylierter Poly(2-Vinylpyridine).

IPC 8 full level

C11D 3/37 (2006.01); **C11D 3/00** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

C11D 3/0036 (2013.01); **C11D 3/3796** (2013.01); **C11D 2111/12** (2024.01)

Citation (applicant)

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- EP 0213729 A1 19870311 - UNILEVER PLC [GB], et al
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- US 4000093 A 19761228 - NICOL CHARLES HENRY, et al
- BILLING, M.ELTER, J. K.SCHACHER, F. H., POLYMER, vol. 104, 2016, pages 40 - 48

Citation (search report)

- [I] WO 9915614 A1 19990401 - ISP INVESTMENTS INC [US]
- [A] US 5869442 A 19990209 - SRINIVAS BALA [US], et al
- [A] US 2977341 A 19610328 - SCHULLER WALTER H, et al
- [A] BILLING MARK ET AL: "Sulfo-and carboxybetaine-containing polyampholytes based on poly(2-vinyl pyridine)s: Synthesis and solution behavior", POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB, vol. 104, 28 September 2016 (2016-09-28), pages 40 - 48, XP029787053, ISSN: 0032-3861, DOI: 10.1016/J.POLYMER.2016.09.081

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)

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