

Title (en)
AQUEOUS RINSE-AID COMPOSITION

Title (de)
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Title (fr)
COMPOSITION DE RINÇAGE AQUEUSE

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Application
EP 16187108 A 20160902

Priority
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Abstract (en)
The present invention is directed to an aqueous rinse-aid composition comprising a) a fatty alcohol ethoxylate propoxylate, b) a phosphoric acid ester of an alkoxylated fatty alcohol being a mixture of compounds according to formula (I) wherein R 1 is each independently selected from residues of a linear fatty alcohol comprising at least 6 carbon atoms and residues of a branched fatty alcohol comprising at least 12 carbon atoms, A is $-(C_2H_4O)_m-(C_3H_6O)_n-$ or $-(C_3H_6O)_n-(C_2H_4O)_m-$, wherein m has an average value of from 1 to 15 and n has an average value of from 1 to 7 or is 0, including a random distribution of $-C_2H_4O-$ and $-C_3H_6O-$ units, i = 1, 2 or 3, preferably 1 or 2, j = 0, 1 or 2, preferably 1 or 2, the sum of i + j = 3, or salts thereof, and c) a fatty alcohol ethoxylate. The rinse-aid composition is used in a automatic dishwasher in a method of cleaning kitchenware and tableware by adding the composition in the rinsing step.

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Citation (search report)

- [X] DE 3531128 C1 19860515 - HOFFMANN STAERKEFABRIKEN AG
- [I] US 3629127 A 19711221 - PALMER FRANK W, et al
- [A] DE 2259830 A1 19740612 - KNAPSACK AG
- [A] US 4859351 A 19890822 - AWAD SAMI B [US]

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