

Title (en)
LIQUID DETERGENT COMPOSITION

Title (de)
FLÜSSIGE REINIGUNGSMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION DÉTERGENTE LIQUIDE

Publication
EP 2700705 A4 20140827 (EN)

Application
EP 12774519 A 20120214

Priority
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Abstract (en)
[origin: EP2700705A1] The present invention discloses the liquid detergent composition containing the nonionic surfactant (A), the specific cationic surfactant (B), and the hydrogen peroxide (D) within the specific ranges, and water, wherein the component (A) contains the nonionic compound (A1) represented by the formula (A1) in an amount of 0.5 to 10% by mass of the composition, a mass ratio of the other anionic surfactant (c1) than fatty acid or a salt thereof to the component (B), (c1)/(B), is 0 to 1, and the composition has a pH of 3.0 to 7.0 at 20°C, as measured in accordance with JIS K3362:1998 Section 8.3: #####R-O-(C 2 H 4 O) x -H#####(A1) wherein, R represents a linear alkyl group having 12 carbon atoms, and has a primary carbon atom at which R bonds to an oxygen atom of R-O- ; and x represents a mole number of ethyleneoxy group added and is an integer ranging from 2 to 5.

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Citation (search report)
• [I] JP 2007169530 A 20070705 - KAO CORP
• [A] EP 0687727 A1 19951220 - PROCTER & GAMBLE [US]
• [A] EP 1777288 A1 20070425 - ADEKA CORP [JP]
• See references of WO 2012144254A1

Cited by
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