

Title (en)
BLEACHING PROCESS AND BLEACH COMPOSITIONS

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Application
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Priority
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Abstract (en)
[origin: EP0443640A2] Use is disclosed of low levels of a quaternary ammonium compound as a bleach booster for organic mono-peroxyacid compounds not containing an additional negative charge in bleach solutions and in bleach (detergent) compositions comprising said peroxyacid bleach compound. Process for bleaching substrates is also disclosed by treating the substrate with a bleach solution comprising said mono-peroxyacid and a quaternary ammonium compound as bleach booster.

IPC 1-7
C11D 3/39; C11D 1/62

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] FR 2364965 A1 19780414 - PROCTER & GAMBLE EUROP [BE]
• [A] US 4397757 A 19830809 - BRIGHT SAMUEL C [GB], et al
• [A] US 4045358 A 19770830 - RAMACHANDRAN PALLASSANA
• [AD] US 3749674 A 19730731 - JONES J, et al

Cited by
US5415796A; GB2323371A; GB2318362A; GB2323375A; US6436445B1; US6262013B1; US6534075B1; US6855328B2; WO9419446A1; WO9400548A1

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