

Title (en)  
QUATERNARY AMIDOAMMONIUM SALTS, PROCESS FOR THEIR PREPARATION AND THEIR USE

Publication  
**EP 0316701 A3 19901017 (DE)**

Application  
**EP 88118505 A 19881107**

Priority  
DE 3738780 A 19871114

Abstract (en)  
[origin: EP0316701A2] Quaternary amidoammonium salts of the formula (I) <IMAGE> in which R<1> represents a free electron pair, an alkyl group having 1 to 4 carbon atoms or a group of the formula (II) <IMAGE> in which R<4> represents hydrogen, methyl or ethyl and p represents an integer from 1 to 10, R<2> represents hydrogen, an alkyl group having 1 to 22 carbon atoms, an alkenyl group having 8 to 22 carbon atoms or a group of the above formula (II), R<3> represents a group of the above formula (II) or a group of the formula (III) <IMAGE> in which R<5> represents an alkylene radical, alkenylene radical or alkadienylene radical having 7 to 21 carbon atoms, m represents 2 or 3, n represents an integer from 0 to 4, q represents an integer from 1 to n + 1, which corresponds to the number of the quaternary nitrogen atoms, r represents an integer  $\geq 1$ , which corresponds to the charge of the acid anion X and X represents the anion of a non-oxidising and non-corrosive inorganic acid or an organic monocarboxylic acid or polycarboxylic acid, the radical R<1> on at least one nitrogen atom representing an organic radical from the above group and the radical R<3> representing a radical of the above formula (III), are used for the brightening of textiles.

IPC 1-7  
**C07C 103/54**; **D06M 13/46**

IPC 8 full level  
**D06M 13/46** (2006.01); **C07C 231/00** (2006.01); **C07C 231/02** (2006.01); **C07C 233/89** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/405** (2006.01); **D06M 13/467** (2006.01)

CPC (source: EP)  
**D06M 13/405** (2013.01)

Citation (search report)  
• [Y] US 3933871 A 19760120 - ARMSTRONG LEONARD J  
• [Y] DE 3539570 A1 19870514 - HENKEL KGAA [DE]  
• [A] EP 0025165 A1 19810318 - HOECHST AG [DE]

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