

Title (en)  
Peroxygen composition

Title (de)  
Peroxygenzusammensetzung

Title (fr)  
Composition de peroxygène

Publication  
**EP 2407529 A1 20120118 (EN)**

Application  
**EP 10169207 A 20100712**

Priority  
EP 10169207 A 20100712

Abstract (en)  
A composition comprising at least one peracid and a quaternary ammonium salt of the formula:  $[R_1 R_2 R_3 R_4 N^{m+}]^n X^x p^- Y^y q^-$  wherein:  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$  are independently, optionally substituted, alkyl, aryl or alkoxy groups;  $m \cdot n = (x \cdot p) + (y \cdot q)$ ; m and n are independently equal to 1 or 2; x and y are integers or non integers and are independently from 0 to 2; x+y is at least 1; at least one of  $X^{p-}$  and  $Y^{q-}$  is  $R_5-COO^-$  and  $R_5$  contains from 0 to 5 carbon atoms.

IPC 8 full level  
**C11D 1/62** (2006.01); **C11D 1/835** (2006.01); **C11D 3/00** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01); **C11D 1/835** (2013.01); **C11D 3/3945** (2013.01); **C11D 3/48** (2013.01); **C11D 1/72** (2013.01)

Citation (applicant)  
• US 2003109403 A1 20030612 - MAN VICTOR FUK-PONG [US], et al  
• US 2002192340 A1 20021219 - SWART SALLY KAY [US], et al

Citation (search report)  
• [X] WO 9400548 A1 19940106 - LAPORTE E S D LTD [GB], et al  
• [IA] US 2002128164 A1 20020912 - HARA YASUSHI [JP], et al  
• [A] EP 1192860 A1 20020403 - AIR LIQUIDE SANTE INT [FR], et al

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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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2407529 A1 20120118**; WO 2012007377 A2 20120119; WO 2012007377 A3 20120322

DOCDB simple family (application)  
**EP 10169207 A 20100712**; EP 2011061601 W 20110708