

Title (en)  
DISPENSER CONTAINING LIQUID BLEACHING COMPOSITION

Title (de)  
SPENDER ENTHALTEND FLÜSSIGES BLEICHMITTEL

Title (fr)  
DISTRIBUTEUR CONTENANT UNE COMPOSITION DE BLANCHIMENT LIQUIDE

Publication  
**EP 1678287 A1 20060712 (EN)**

Application  
**EP 04791571 A 20041021**

Priority  
• GB 2004004461 W 20041021  
• GB 0324554 A 20031022

Abstract (en)  
[origin: GB2407325A] A liquid bleaching composition comprises ""a compound having the structural Formula I <EMI ID=1.1 HE=19 WI=92 LX=813 LY=847 TI=CF> <PC>wherein A is a saturated ring formed of four carbon atoms and an O or S heteroatom in addition to the N1 atom, ""R1 is an alkyl ""R2 and R3 are each selected from hydrogen or alkyl, ""Y is an anionic counterion, ""and Z is in the range of 0 to 10; ""(ii) a source of active oxygen, and ""(iii) a betaine surfactant. The source of active oxygen may be hydrogen peroxide. The composition may be dispensed from a multi-compartment container.

IPC 1-7  
**C11D 3/39**; **C11D 1/90**

IPC 8 full level  
**C11D 1/90** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP)  
**C11D 1/90** (2013.01); **C11D 3/3925** (2013.01); **C11D 3/3947** (2013.01)

Citation (search report)  
See references of WO 2005042686A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**GB 0324554 D0 20031126**; **GB 2407325 A 20050427**; **GB 2407325 B 20060111**; AT E371715 T1 20070915; DE 602004008660 D1 20071011; DE 602004008660 T2 20080605; EP 1678287 A1 20060712; EP 1678287 B1 20070829; ES 2289568 T3 20080201; WO 2005042686 A1 20050512

DOCDB simple family (application)  
**GB 0324554 A 20031022**; AT 04791571 T 20041021; DE 602004008660 T 20041021; EP 04791571 A 20041021; ES 04791571 T 20041021; GB 2004004461 W 20041021