

Title (en)  
CLEANING TABLET CONTAINING CHLORINE FOR TOILETS

Title (de)  
CHLORHALTIGE REINIGERTABLETTE FÜR TOILETTEN

Title (fr)  
TABLETTE NETTOYANTE CONTENANT DU CHLORE POUR LES TOILETTES

Publication  
**EP 2546327 A1 20130116 (DE)**

Application  
**EP 12168060 A 20120515**

Priority  
DE 102011107684 A 20110713

Abstract (en)  
The cleaner tablet comprises a cleaning agent compartment (2) with a cleaner mass, and a chlorine compartment (3) with a chlorine component. The cleaning agent compartment and the chlorine compartment are partly separated by a barrier layer (6). The barrier layer is formed: from a material and/or in a thickness such that it dissolves, in the intended application, slowly than the cleaning agent compartment and the chlorine compartment; and by a bonding agent, which holds the chlorine compartment in the cleaning agent compartment or the cleaning agent compartment in the chlorine compartment. The cleaner tablet comprises a cleaning agent compartment (2) with a cleaner mass, and a chlorine compartment (3) with a chlorine component. The cleaning agent compartment and the chlorine compartment are partly separated by a barrier layer (6). The barrier layer is formed: from a material and/or in a thickness such that it dissolves, in the intended application, slowly than the cleaning agent compartment and the chlorine compartment; and by a bonding agent, which holds the chlorine compartment in the cleaning agent compartment or the cleaning agent compartment in the chlorine compartment. The chlorine compartment comprises a granular matrix with a chloride reagent and a chlorine-stable surfactant, and a mixture of chlorine component with detergent fillers and/or tableting aids. The cleaning agent compartment and the chlorine compartment are used for 3-8 weeks. An independent claim is included for a method for preparing a cleaner tablet.

Abstract (de)  
Die vorliegende Erfindung betrifft eine Reinigertablette (1) für Toiletten mit einem Reinigungsmittelkompartiment (2) mit einer Reinigermasse und einem Chlorkompartiment (3) mit einer Chlorkomponente, wobei das Reinigungsmittelkompartiment und das Chlorkompartiment zumindest teilweise durch eine Sperrschicht (6) getrennt sind und mindestens eine oder ein Teil einer Oberfläche (7) des Chlorkompartiments vor der bestimmungsgemäßen Anwendung weder von der Reinigermasse noch von der Sperrschicht bedeckt ist. Außerdem betrifft die Erfindung ein Herstellungsverfahren für eine solche Reinigertablette und die Verwendung dieser Reinigertablette als einen Toilettenstein, insbesondere für ein Urinal oder zur Anwendung in einem Haltekörbchen in einer Toilettenschüssel.

IPC 8 full level  
**C11D 17/00** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)  
**C11D 3/395** (2013.01); **C11D 3/3955** (2013.01); **C11D 17/0056** (2013.01); **C11D 17/0078** (2013.01)

Citation (applicant)  
EP 0055100 A1 19820630 - JEYES GROUP LTD [GB]

Citation (search report)  
• [IDY] EP 0055100 A1 19820630 - JEYES GROUP LTD [GB]  
• [Y] WO 2006066723 A1 20060629 - HENKEL KGAA [DE], et al  
• [Y] WO 0052127 A1 20000908 - HENKEL KGAA [DE]

Cited by  
CN112574835A

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2546327 A1 20130116**; **EP 2546327 B1 20151125**; DE 102011107684 A1 20130117

DOCDB simple family (application)  
**EP 12168060 A 20120515**; DE 102011107684 A 20110713