

Title (en)  
AN APPARATUS AND A METHOD FOR WASHING CONTAINERS FOR FLUIDS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR REINIGUNG VON BEHÄLTERN FÜR FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF ET MÉTHODE DE NETTOYAGE DE RÉCIPIENTS POUR FLUIDES

Publication  
**EP 3771501 A1 20210203 (EN)**

Application  
**EP 20188419 A 20200729**

Priority  
IT 201900013725 A 20190801

Abstract (en)  
An apparatus for washing containers for fluids (2) comprises at least one rotary plate (5), rotatable around a first vertical axis x, and a cleaning element (7, 11) to clean a container for fluids (2) by means of friction, where said cleaning element (7, 11) is movable between a passive position, transversely retracted with respect to the rotary plate (5), and an active position, in contact with the container for fluids (2), and is likewise movable reciprocally in a direction parallel to the first vertical axis x, avoiding rotating on its own axis.

IPC 8 full level  
**B08B 9/36** (2006.01)

CPC (source: EP)  
**B08B 9/36** (2013.01); **B08B 9/083** (2013.01); **B08B 9/38** (2013.01)

Citation (applicant)  
• WO 2012147110 A1 20121101 - ATES IMPIANTI S R L [IT], et al  
• WO 2011150518 A1 20111208 - EVER GREEN ENVIRONMENTAL CORP [CA], et al

Citation (search report)  
• [XYI] WO 2012147110 A1 20121101 - ATES IMPIANTI S R L [IT], et al  
• [XYI] WO 2011150518 A1 20111208 - EVER GREEN ENVIRONMENTAL CORP [CA], et al  
• [Y] FR 2482576 A1 19811120 - GIAMELLO BRUNO [IT]  
• [Y] US 1916568 A 19330704 - GRUETTER JOHN R  
• [YA] US 2843867 A 19580722 - GRAY SR CORNELIUS  
• [A] CN 107931287 A 20180420 - WUXI X RES PROD DESIGN & RES  
• [A] EP 0267619 A1 19880518 - TOPFER GMBH KULMBACH [DE]  
• [A] US 4944832 A 19900731 - ABE ICHIRO [JP], et al

Cited by  
CN113210386A

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 3771501 A1 20210203; EP 3771501 B1 20241218; IT 201900013725 A1 20210201**

DOCDB simple family (application)  
**EP 20188419 A 20200729; IT 201900013725 A 20190801**