

Title (en)  
ENZYMATIC DETERGENT COMPOSITIONS FOR THE AUTOMATIC CLEANING OF SURGICAL AND/OR MEDICAL INSTRUMENTS AND/OR DEVICES

Title (de)  
ENZYMATISCHE WASCHMITTELZUSAMMENSETZUNGEN ZUR AUTOMATISCHEN REINIGUNG VON CHIRURGISCHEN UND/ODER MEDIZINISCHEN INSTRUMENTEN UND/ODER VORRICHTUNGEN

Title (fr)  
COMPOSITIONS DÉTERGENTES ENZYMATIQUES POUR LE NETTOYAGE AUTOMATIQUE D'INSTRUMENTS ET/OU APPAREILS CHIRURGICAUX ET/OU MÉDICAUX

Publication  
**EP 3433349 A1 20190130 (FR)**

Application  
**EP 17716972 A 20170323**

Priority  
• FR 1652498 A 20160323  
• FR 2017050684 W 20170323

Abstract (en)  
[origin: WO2017162991A1] The invention relates to the use of a concentrated aqueous detergent composition for the cleaning of surgical and/or medical instruments in a washer-disinfector, said concentrated aqueous detergent composition comprising: a subtilisin, a lipase, an amylase, a biodegradable chelating agent selected from among methyl glycine diacetic acid and an iminodisuccinate, and water, said concentrated detergent composition being free of alkanolamine.

IPC 8 full level  
**C11D 3/33** (2006.01); **C11D 3/386** (2006.01); **C11D 7/32** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)  
**C11D 3/33** (2013.01); **C11D 3/38627** (2013.01); **C11D 7/3245** (2013.01); **C11D 2111/20** (2024.01)

Citation (search report)  
See references of WO 2017162991A1

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)  
**WO 2017162991 A1 20170928; WO 2017162991 A9 20181011**; EP 3433349 A1 20190130; EP 3433349 B1 20200422;  
FR 3049285 A1 20170929; FR 3049285 B1 20180413; PL 3433349 T3 20201019

DOCDB simple family (application)  
**FR 2017050684 W 20170323**; EP 17716972 A 20170323; FR 1652498 A 20160323; PL 17716972 T 20170323