

Title (en)

Automatic dish-washing machine cleaning process and compositions relating thereto

Title (de)

Verfahren und Zusammensetzungen zum Reinigen von Geschirrspülmittelmaschinen

Title (fr)

Procédé et compositions pour le nettoyage de lave-vaisselles

Publication

**EP 1061123 B1 20040630 (EN)**

Application

**EP 00303177 A 20000414**

Priority

- EP 00303177 A 20000414
- EP 99304182 A 19990528

Abstract (en)

[origin: EP1061123A1] An automatic dish washing machine cleaner comprises at least 50% wt of the total composition of a partially or fully hydrated organic acid and at least 0.5% wt of the total composition of a surfactant, ideally a non-ionic surfactant. The pH of a 1% aqueous solution of the cleaner at 20 DEG C is 3 or less. Also described are a process for cleaning a dish washing machine comprising adding the above machine dish washing cleaner to a machine, and the use of citric acid monohydrate in a dish washing machine cleaner to prevent mass solidification.

IPC 1-7

**C11D 3/20**

IPC 8 full level

**C11D 3/20** (2006.01); **C11D 11/00** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

**C11D 3/2075** (2013.01); **C11D 3/2086** (2013.01); **C11D 1/72** (2013.01); **C11D 2111/14** (2024.01)

Cited by

FR2831181A1; DE102006009138A1; EP2098587A1; EP2039750A1; DE102012014268A1; DE102012014268B4; US7153817B2; WO0162886A1; WO2007068920A1; WO2006063231A1; WO03035819A1; EP2333042B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1061123 A1 20001220**; **EP 1061123 B1 20040630**; **EP 1061123 B2 20070214**

DOCDB simple family (application)

**EP 00303177 A 20000414**