

Title (en)

Cleaning unit, in particular for cleaning clean rooms

Title (de)

Reinigungseinheit, insbesondere zum Reinigen von Reinräumen

Title (fr)

Unité de nettoyage, notamment pour le nettoyage de salles blanches

Publication

**EP 2832279 B2 20220810 (DE)**

Application

**EP 13178844 A 20130731**

Priority

EP 13178844 A 20130731

IPC 8 full level

**A47L 9/28** (2006.01)

CPC (source: EP)

**A47L 9/2889** (2013.01); **A47L 13/258** (2013.01); **A47L 13/51** (2013.01)

Citation (opposition)

Opponent :

- EP 1849393 A2 20071031 - VIKAN AS [DK]
- DE 29702522 U1 19970410 - PFENNIG HERBERT [DE]
- DE 102010015965 A1 20110915 - PPS PFENNIG REINIGUNGSTECHNIK GMBH [DE]
- EP 0991355 A1 20000412 - NUMATIC INT LTD [GB]
- DE 202017100484 U1 20170213 - PFENNIG REINIGUNGSTECHNIK GMBH [DE]
- DE 102017128600 B3 20190314 - PFENNIG REINIGUNGSTECHNIK GMBH [DE]

Cited by

CN111214189A; US11284771B2; DE202018105011U1

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

DOCDB simple family (publication)

**EP 2832279 A1 20150204; EP 2832279 B1 20161019; EP 2832279 B2 20220810**

DOCDB simple family (application)

**EP 13178844 A 20130731**