

Title (en)
VACUUM CLEANER COMPRISING A BYPASS VALVE

Title (de)
STAUBSAUGER MIT NEBENLUFTVENTIL

Title (fr)
ASPIRATEUR COMPRENANT UNE SOUPAPE DE DÉRIVATION

Publication
EP 2582279 B1 20150114 (DE)

Application
EP 11725406 A 20110606

Priority
• DE 102010030222 A 20100617
• EP 2011059240 W 20110606

Abstract (en)
[origin: DE102010030222B3] The vacuum cleaner has an auxiliary air valve (30), a moving locking element (50), an elastic element (37) and a separator (33) with an air opening (60). The locking element is brought in a closed position by the elastic element. The characteristics of the air valve run in digressive sections in force-displacement curve.

IPC 8 full level
A47L 9/00 (2006.01)

CPC (source: EP)
A47L 9/0072 (2013.01)

Cited by
US2021290017A1; US11382472B2; US11337573B2; US11382471B2; US11937765B2; US12004703B2

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)
DE 102010030222 B3 20110728; EP 2582279 A1 20130424; EP 2582279 B1 20150114; ES 2528696 T3 20150211;
WO 2011157575 A1 20111222

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