

Title (en)
Nonlinear air stop valve structure

Title (de)
Nichtlineare Luftstoppventilstruktur

Title (fr)
Structure de soupape d'arrêt d'air non linéaire

Publication
EP 2604546 A1 20130619 (EN)

Application
EP 12165263 A 20120424

Priority
TW 100146421 A 20111215

Abstract (en)
A nonlinear air stop valve of an air sealing body includes an inner member having left arcs on one side and right arcs on the other side, and both left and right arcs are asymmetrically arranged sideways, and a breach is formed at the bottom of the left and right arcs and on a concave arc surface, and left and right arcs are arranged from top to bottom, such that air entering from an air inlet at the top of the inner membrane flows along an upper arc of the left and right arcs to a lower arc and is blocked by the concave arc surface to flow to the breach and pass through the right arc, breach, left arc and breach in turn from right to left or from left to right into an air outlet at the bottom of the inner membrane and enter into the sealing body.

IPC 8 full level
B65D 81/05 (2006.01)

CPC (source: EP KR)
B65D 31/14 (2013.01 - KR); **B65D 33/01** (2013.01 - KR); **B65D 81/03** (2013.01 - KR); **B65D 81/052** (2013.01 - EP)

Citation (applicant)
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• US 2007267094 A1 20071122 - LIAO CHIAN H [TW], et al

Citation (search report)
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• [A] US 2011233101 A1 20110929 - BAINES MICHAEL [US]
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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 2604546 A1 20130619; EP 2604546 B1 20140716; JP 2013124137 A 20130624; JP 5511098 B2 20140604; KR 101388383 B1 20140422; KR 20130069305 A 20130626; TW 201323755 A 20130616; TW I444551 B 20140711

DOCDB simple family (application)
EP 12165263 A 20120424; JP 2012091915 A 20120413; KR 20120037798 A 20120412; TW 100146421 A 20111215