

Title (en)
VALVE TRAIN

Title (de)
VENTILANTRIEB

Title (fr)
DISPOSITIF DE COMMANDE DE SOUPAPE

Publication
EP 4348089 A1 20240410 (DE)

Application
EP 22731204 A 20220531

Priority
• DE 102021002817 A 20210601
• EP 2022064809 W 20220531

Abstract (en)
[origin: WO2022253855A1] The invention relates to a valve train that can be connected to a valve and that can be operatively connected to a closing element (5) of the valve. In order to create a valve train that is favorable in terms of purchase and maintenance, a spiral-shaped first magnet arrangement (16) interacts with an outer second magnet arrangement (18) that can be moved about a longitudinal axis of the spiral-shaped first magnet arrangement (16), that can be coupled with the closing element (5) and is guided in a guiding element (24), and the guiding element (24), together with a rotational movement of the second magnet arrangement (18), effects a rotary lifting movement of the first magnet arrangement (16).

IPC 8 full level
F16K 31/08 (2006.01); **F16K 31/06** (2006.01); **H02K 7/06** (2006.01); **H02K 7/11** (2006.01); **H02K 41/03** (2006.01); **H02K 49/10** (2006.01)

CPC (source: EP)
F16K 31/0655 (2013.01); **F16K 31/082** (2013.01); **F16K 31/088** (2013.01); **H02K 7/06** (2013.01); **H02K 7/11** (2013.01); **H02K 41/031** (2013.01); **H02K 49/102** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022253855 A1 20221208; EP 4348089 A1 20240410

DOCDB simple family (application)
EP 2022064809 W 20220531; EP 22731204 A 20220531