

Title (en)  
DIRECTIONAL VALVE AND VALVE CAGE FOR A DIRECTIONAL VALVE

Title (de)  
WEGEVENTIL UND VENTILKÄFIG FÜR EIN WEGEVENTIL

Title (fr)  
DISTRIBUTEUR ET CAGE POUR UN DISTRIBUTEUR

Publication  
**EP 4165333 A1 20230419 (DE)**

Application  
**EP 21733741 A 20210610**

Priority  
• DE 102020115516 A 20200610  
• EP 2021065645 W 20210610

Abstract (en)  
[origin: WO2021250176A1] The invention relates to a directional valve, in particular a multi-port valve, for handling fluids, in particular cooling and/or heating fluids, in a motor vehicle, in particular in an electrically operated motor vehicle, comprising a valve housing defining at least one fluid channel and having at least one fluid inlet and at least one fluid outlet, and at least one fluid connection piece adapted to the at least one fluid inlet or fluid outlet, wherein the fluid connection piece is interlockingly connected to the valve housing by means of a bayonet mechanism.

IPC 8 full level  
**F16K 27/06** (2006.01); **B60K 1/00** (2006.01); **F01P 7/16** (2006.01); **F16K 11/085** (2006.01); **F16L 37/252** (2006.01)

CPC (source: EP US)  
**B60K 1/00** (2013.01 - EP); **B60K 11/02** (2013.01 - EP); **F01P 7/16** (2013.01 - EP); **F16K 11/0853** (2013.01 - EP US);  
**F16K 27/065** (2013.01 - EP US); **F16L 37/252** (2013.01 - EP US); **B60K 2001/003** (2013.01 - EP); **B60K 2001/008** (2013.01 - EP);  
**F01P 2007/146** (2013.01 - US)

Citation (search report)  
See references of WO 2021250176A1

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)  
**DE 102020115516 A1 20211216**; CN 115777050 A 20230310; EP 4165333 A1 20230419; US 2023243433 A1 20230803;  
WO 2021250176 A1 20211216

DOCDB simple family (application)  
**DE 102020115516 A 20200610**; CN 202180047533 A 20210610; EP 2021065645 W 20210610; EP 21733741 A 20210610;  
US 202118001394 A 20210610