

Title (en)
VALVE FOR A SPRAY SYSTEM

Title (de)
VENTIL FÜR EIN SPRÜHSYSTEM

Title (fr)
VANNE POUR SYSTEME DE PROJECTION

Publication
EP 4111080 A1 20230104 (FR)

Application
EP 21700596 A 20210119

Priority
• FR 2002040 A 20200228
• EP 2021050999 W 20210119

Abstract (en)
[origin: WO2021170312A1] The present invention relates to a valve (1) of a system for spraying a washing liquid, said valve (1) comprising: • - a valve body (3) enclosing a hydraulic cavity (5) which is configured to be fluidically connected to a hydraulic conduit (15) of the spray system and is intended to receive the washing liquid, • - a mobile element (7) which is configured to be moved in the hydraulic cavity (5) between an open position, in which it lets the washing liquid pass into the hydraulic conduit (15), and a closed position, in which it blocks the passage of the washing liquid into the hydraulic conduit (15), characterized in that the valve (1) also comprises at least one opening (32) provided in the wall, said opening (32) being closed by an elastic membrane (21) which is configured to be deformed if the washing liquid freezes in the hydraulic cavity (5).

IPC 8 full level
F16K 27/02 (2006.01); **B60S 1/48** (2006.01); **F16K 51/00** (2006.01)

CPC (source: EP KR US)
B29C 45/14 (2013.01 - KR); **B29C 65/02** (2013.01 - KR); **B29C 65/48** (2013.01 - KR); **B60S 1/481** (2013.01 - EP KR US); **F16K 11/24** (2013.01 - EP); **F16K 25/005** (2013.01 - KR); **F16K 27/003** (2013.01 - EP); **F16K 27/02** (2013.01 - KR US); **F16K 27/029** (2013.01 - EP); **F16K 39/022** (2013.01 - US); **F16K 49/00** (2013.01 - EP); **F16K 51/00** (2013.01 - KR); **B29L 2031/7506** (2013.01 - KR)

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 2021170312 A1 20210902; CN 115335623 A 20221111; EP 4111080 A1 20230104; FR 3107683 A1 20210903; FR 3107683 B1 20240329; JP 2023516626 A 20230420; KR 20220148231 A 20221104; US 2023167920 A1 20230601

DOCDB simple family (application)
EP 2021050999 W 20210119; CN 202180025451 A 20210119; EP 21700596 A 20210119; FR 2002040 A 20200228; JP 2022551817 A 20210119; KR 20227033247 A 20210119; US 202117801863 A 20210119