

Title (en)
VALVE, AND PACKAGE

Title (de)
VENTIL UND VERPACKUNG

Title (fr)
SOUPAPE ET EMBALLAGE

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Application
EP 22167471 A 20220408

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Abstract (en)
According to an aspect of the present invention, a pressure-relief valve is provided, the valve comprising a main body (1) equipped to be fastened to a flexible package material. The main body having at least one through hole (14) forming a passage through the main body. A valve membrane (2) lies, on a package side, against the main body in a region around the hole (14), and a sealing liquid between the main body (1) and the valve membrane (2). The valve comprises a water-soluble polymer, meaning that at least one component of the valve, for example the main body (1), is made of a polymer composition that comprises a water-soluble polymer.

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Citation (applicant)
• WO 2021224424 A1 20211111 - TCHIBO GMBH [DE]
• WO 2014155059 A1 20141002 - PETER MORRIS RES AND DEV LTD [GB]

Citation (search report)
• [YA] WO 2015052650 A1 20150416 - AROMA SYSTEM SRL [IT]
• [YA] WO 2021186407 A1 20210923 - AROMA SYSTEM S R L [IT]
• [YA] US 2015284156 A1 20151008 - HELMER DEREK [US]
• [Y] US 2006131328 A1 20060622 - ANDERSON BRENT [US]
• [YD] WO 2014155059 A1 20141002 - PETER MORRIS RES AND DEV LTD [GB]

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