

Title (en)
VALVE SYSTEM

Title (de)
VENTILSYSTEM

Title (fr)
SYSTÈME DE SOUPEPE

Publication
EP 4044872 B1 20230607 (DE)

Application
EP 20793255 A 20201015

Priority
• AT 508892019 A 20191016
• AT 2020060374 W 20201015

Abstract (en)
[origin: WO2021072471A1] The invention relates to a valve system (100) having at least two compressed air valves (120) for an object which can be acted upon/inflated by means of compressed air and has at least two air chambers (1110) which are independent of one another, in particular a mattress (1000). At least one compressed air valve (120) can be associated with each air chamber (1110), the at least one compressed air valve (120) being arranged on a first surface (111) of a circuit board (110), and a second surface (112) of the circuit board (110) opposite the first surface (111) is designed as a sealing surface for at least one compressed air inlet (132), a substantially plate-shaped distributing element (130) having a first surface (131) being provided. A connecting element (150) is provided for supplying compressed air to the distributing element (130), which is fluidically connected to the at least one compressed air inlet (132), the at least one compressed air inlet (132) being arranged on the first surface (131) of the distributing element (130), and the at least one compressed air inlet (132) is fluidically connected to the at least one compressed air valve (120) via at least one supply opening in the circuit board (110). At least one outlet bore (113) is provided in the circuit board (110), and the at least one outlet bore (113) connects the at least one compressed air valve (120) in a fluid-tight manner to at least one outlet conduit arranged inside the distributing element (130).

IPC 8 full level
A47C 31/12 (2006.01); **A47C 27/08** (2006.01); **A47C 27/10** (2006.01)

CPC (source: AT EP US)
A47C 27/082 (2013.01 - US); **A47C 27/083** (2013.01 - AT EP US); **A47C 27/10** (2013.01 - AT EP US); **A47C 31/123** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 2021072471 A1 20210422; AT 523087 A1 20210515; AT 523087 B1 20210815; EP 4044872 A1 20220824; EP 4044872 B1 20230607; EP 4044872 C0 20230607; ES 2953090 T3 20231108; US 2024148159 A1 20240509

DOCDB simple family (application)
AT 2020060374 W 20201015; AT 508892019 A 20191016; EP 20793255 A 20201015; ES 20793255 T 20201015; US 202017769656 A 20201015