

Title (en)  
METERING VALVE

Title (de)  
DOSIERVENTIL

Title (fr)  
SOUPAPE DE DOSAGE

Publication  
**EP 3758856 B1 20220323 (DE)**

Application  
**EP 19701095 A 20190118**

Priority  
• DE 102018108915 A 20180416  
• EP 2019051226 W 20190118

Abstract (en)  
[origin: WO2019201483A1] The invention relates to a metering valve (10, 110) for viscous materials, having a housing (12), a material channel (16) extending in the housing (12) and opening into a plurality of material outlet openings (26), and a number of valve pins (24), which are movably mounted in the housing (12), said number corresponding to the number of material outlet openings (26), wherein a valve seat (22) is associated with each valve pin (24) and each valve pin (24) is movable between a closed position, in which it sits on the valve seat (22) associated with it and closes one of the material outlet openings (26), and an open position, in which the material outlet opening (26) concerned is exposed. According to the invention, the valve pins (24) are produced from carbide and are guided in a longitudinally displaceable manner through feed-through openings (30) in a guide block (28) arranged at a distance from the valve seats (22), wherein the guide block (28) is produced from carbide, at least on the inner surfaces of the feed-through openings (30) facing the valve pins (24).

IPC 8 full level  
**B05C 5/02** (2006.01); **B05C 11/10** (2006.01)

CPC (source: CN EP KR US)  
**B05C 5/0225** (2013.01 - CN US); **B05C 5/0275** (2013.01 - EP KR US); **B05C 5/0279** (2013.01 - CN EP); **B05C 11/1028** (2013.01 - KR); **B05C 11/1028** (2013.01 - EP US)

Citation (examination)  
EP 0894036 B1 20000510 - FORD MOTOR CO [US], et al

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)  
**DE 102018108915 A1 20191017**; CN 111989165 A 20201124; CN 111989165 B 20230113; CN 116037395 A 20230502; EP 3758856 A1 20210106; EP 3758856 B1 20220323; KR 102579581 B1 20230915; KR 20200143682 A 20201224; US 2021146397 A1 20210520; WO 2019201483 A1 20191024

DOCDB simple family (application)  
**DE 102018108915 A 20180416**; CN 201980026387 A 20190118; CN 202211675292 A 20190118; EP 19701095 A 20190118; EP 2019051226 W 20190118; KR 20207029500 A 20190118; US 201917047726 A 20190118