

Title (en)  
METERING MODULE, AND METHOD OF METERING PASTY PRODUCTS

Title (de)  
MESSMODUL SOWIE VERFAHREN ZUM MESSEN VON PASTÖSEN PRODUKTEN

Title (fr)  
MODULE ET PROCEDE DE MESURE DE PRODUITS PATEUX

Publication  
**EP 1535659 B1 20070110 (EN)**

Application  
**EP 03766418 A 20030725**

Priority  
• ES 0300388 W 20030725  
• ES 200201764 A 20020726

Abstract (en)  
[origin: EP1535659A1] It comprises a hollow prismatic shaped tank (2) for pasty products and pushing means for the pasty, formed of a vertical-action piston (4) which runs tight within the tank coaxially to the tank. Opening and closing means, adapted for opening and closing an outlet (3) of the said tank, comprise a lower metering valve (5), the body of which (6) contains an internal space (7) for a vertical axle (8) which opens into the tank, the sealing element (12) of the valve being a closing head (9), which is movable between a maximum open position and a closed position, on which the main base (11) of the seal remains essentially level with the valve outlet (31), closing the tank. The pasty product, in particular paint ink, can be provided in a deformable container which is introduced in the hollow prism. <IMAGE>

IPC 8 full level  
**B01F 15/04** (2006.01); **G01G 13/06** (2006.01); **B01F 13/10** (2006.01); **B01F 15/00** (2006.01); **G01G 17/04** (2006.01); **G01G 19/24** (2006.01); **B01F 15/02** (2006.01)

CPC (source: EP US)  
**B01F 33/84** (2022.01 - EP US); **B01F 35/715** (2022.01 - EP); **B01F 35/7174** (2022.01 - EP US); **B01F 35/71805** (2022.01 - EP US); **B01F 35/881** (2022.01 - EP); **B01F 35/8822** (2022.01 - EP US); **B01F 35/715** (2022.01 - US); **B01F 2101/30** (2022.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1535659 A1 20050601**; **EP 1535659 B1 20070110**; AU 2003254506 A1 20040223; BR 0312971 A 20050614; CA 2493229 A1 20040212; CN 1684756 A 20051019; DE 60311109 D1 20070222; ES 2211297 A1 20040701; ES 2211297 B1 20050916; JP 2005534034 A 20051110; MX PA05000937 A 20050727; US 2005189037 A1 20050901; WO 2004012853 A1 20040212

DOCDB simple family (application)  
**EP 03766418 A 20030725**; AU 2003254506 A 20030725; BR 0312971 A 20030725; CA 2493229 A 20030725; CN 03823183 A 20030725; DE 60311109 T 20030725; ES 0300388 W 20030725; ES 200201764 A 20020726; JP 2004525438 A 20030725; MX PA05000937 A 20030725; US 52225505 A 20050418