

Title (en)
FILLING NOZZLE

Title (de)
FÜLLDÜSE

Title (fr)
BUSE DE REMPLISSAGE

Publication
EP 1851112 A4 20120321 (EN)

Application
EP 06716937 A 20060223

Priority
• SE 2006000247 W 20060223
• SE 0500422 A 20050223

Abstract (en)
[origin: WO2006091159A1] The invention relates to a method intended for filling a container, for example a tube, with at least two different types of substances so that a lasting pattern is formed, and to a filling nozzle (1) intended for use in the method. The filling nozzle (1) is provided with a first duct (2) and a second duct (3), said first duct (2) comprising a connection (11) to a first feed duct and said second duct (3) comprising a connection (12) to a second feed duct, and said first and second ducts (2, 3) having orifices (8, 10) at a remote end (13) of the filling nozzle (1). The first duct (2) is provided at its orifice (8) with a first valve (7) intended to regulate the flow in the first duct (2) and the second duct (3) is provided at its orifice (10) with a second valve (9) intended to regulate the flow in the second duct (3). The invention also relates to a machine for filling containers and comprising the filling nozzle (1) described above, and to use of the filling nozzle (1) in order to obtain a lasting pattern in a container.

IPC 8 full level
B65B 3/16 (2006.01); **B65B 39/00** (2006.01)

CPC (source: EP)
B65B 3/16 (2013.01); **B65B 39/004** (2013.01); **B65B 2039/009** (2013.01)

Citation (search report)
• [X] EP 0897864 A2 19990224 - BENHIL GASTI VERPACKUNGSMASCHI [DE]
• [X] EP 1207108 A1 20020522 - OCME SRL [IT]
• [A] US 3559700 A 19710202 - ERICKSON LEONARD A
• See references of WO 2006091159A1

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

DOCDB simple family (publication)
WO 2006091159 A1 20060831; BR PI0607471 A2 20090908; BR PI0607471 B1 20180717; CN 100546878 C 20091007;
CN 101107167 A 20080116; EP 1851112 A1 20071107; EP 1851112 A4 20120321; EP 1851112 B1 20140528; JP 2008531404 A 20080814;
JP 4955578 B2 20120620; PL 1851112 T3 20141231

DOCDB simple family (application)
SE 2006000247 W 20060223; BR PI0607471 A 20060223; CN 200680003268 A 20060223; EP 06716937 A 20060223;
JP 2007556115 A 20060223; PL 06716937 T 20060223