

Title (en)

CONTAINER TREATMENT MACHINE WITH A DELIVERY PIPE SECTION

Title (de)

BEHÄLTERBEHANDLUNGSMASCHINE MIT EINEM FÖRDERLEITUNGSABSCHNITT

Title (fr)

MACHINE DE TRAITEMENT DE RÉCIPIENTS AVEC UNE SECTION DE CONDUITE DE TRANSPORT

Publication

EP 2162384 B1 20140115 (DE)

Application

EP 08773934 A 20080709

Priority

- EP 2008005607 W 20080709
- DE 102007031961 A 20070710

Abstract (en)

[origin: WO2009007108A1] In a container treatment machine (H) with a tank (T) and spaced-apart valve housings (Y), wherein a pressure-resistant delivery pipe (L) having a curved section (A) is provided between the tank (T) and each valve housing (V) directly or via an intermediate flow regulator (M), the delivery pipe (L) is composed, at least in its curved section (A), of a hard plastic (K) which is pressure- and temperature-resistant, and is acid- and alkali-resistant and permissible for foodstuffs, in particular polytetrafluoroethylene (PTFE or Teflon).

IPC 8 full level

B67C 3/22 (2006.01)

CPC (source: EP US)

B67C 3/22 (2013.01 - EP US)

Citation (examination)

- DE 4309429 A1 19940929 - KHS MASCH & ANLAGENBAU AG [DE]
- DE 10343281 A1 20050421 - ADELHOLZENER ALPENQUELLEN GMBH [DE], et al
- AU 8599082 A 19830203 - RYAN RUBBER CO PTY LTD
- GB 1317758 A 19730523 - VICTAULIC CO OF AMERICA
- WO 0173332 A2 20011004 - NON METALLIC RESOURCES INC [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007031961 A1 20090115; BR PI0812651 A2 20141223; CN 101687621 A 20100331; CN 101687621 B 20111012;
EP 2162384 A1 20100317; EP 2162384 B1 20140115; JP 2010532735 A 20101014; JP 5018963 B2 20120905; RU 2009145948 A 20110920;
RU 2440289 C2 20120120; US 2010223891 A1 20100909; US 8720853 B2 20140513; WO 2009007108 A1 20090115

DOCDB simple family (application)

DE 102007031961 A 20070710; BR PI0812651 A 20080709; CN 200880024047 A 20080709; EP 08773934 A 20080709;
EP 2008005607 W 20080709; JP 2010515410 A 20080709; RU 2009145948 A 20080709; US 66725408 A 20080709