

Title (en)
TUBE RECEPTION DECIVE OF A ROLLER PUMP

Title (de)
SCHLAUCHAUFNAHME EINER ROLLERPUMPE

Title (fr)
DISPOSITIF DE RECEPTION DE TUYAU D'UNE POMPE AUX ROULEAUX.

Publication
EP 3324047 A3 20180815 (DE)

Application
EP 17210339 A 20130821

Priority
• DE 102012108052 A 20120830
• EP 13753167 A 20130821
• EP 2013067368 W 20130821

Abstract (en)
[origin: WO2014033023A2] The invention discloses a medical peristaltic pump having a pump housing, in which there is formed a hose receptacle compartment in which a positionally fixed pump head is rotatably mounted, and having a hose unit, which is preferably provided as an exchangeable component and which is composed of a flexible hose and of a beam-like hose retention means which holds the hose fixed in loop form at two positions which are spaced apart longitudinally along the hose. The hose unit can be or is inserted into the hose receptacle compartment such that, by displacement of the hose retention means, the hose is placed in tensioning engagement with the pump head so as to be at least partially looped around the latter. According to the invention, a tensioning device in the form of a lever mechanism is provided which is arranged on the pump housing or on the hose receptacle compartment and which serves for the tensioning displacement of the hose retention element, said tensioning device having at least one lever element on which there is provided a detent or clamping device which preferably forms an undercut and which, when a hose tensioning position is reached, engages with a counterpart detent/clamping device arranged on the hose retention means for the purpose of locking the hose retention means and the tensioning device in the hose tensioning position thereof.

IPC 8 full level
F04B 43/12 (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP US)
F04B 43/1238 (2013.01 - US); **F04B 43/1276** (2013.01 - EP US); **F04B 43/1284** (2013.01 - EP US); **F04B 53/16** (2013.01 - US)

Citation (search report)
• [A] DE 202011051141 U1 20111109 - AESCULAP AG [DE]
• [A] US 2007020130 A1 20070125 - MALBEC BERTRAND [FR], et al
• [A] WO 2004044425 A1 20040527 - ECOLAB INC [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)
WO 2014033023 A2 20140306; WO 2014033023 A3 20140731; DE 102012108052 A1 20140306; EP 2890895 A2 20150708; EP 2890895 B1 20191113; EP 3324047 A2 20180523; EP 3324047 A3 20180815; EP 3324047 B1 20191002; HU E047768 T2 20200528; JP 2015526648 A 20150910; JP 6234459 B2 20171122; US 10060425 B2 20180828; US 2015204321 A1 20150723

DOCDB simple family (application)
EP 2013067368 W 20130821; DE 102012108052 A 20120830; EP 13753167 A 20130821; EP 17210339 A 20130821; HU E17210339 A 20130821; JP 2015528960 A 20130821; US 201314420949 A 20130821