

Title (en)

ROLLER PUMP FOR THE PERISTALTIC TRANSPORT OF LIQUID AND GASEOUS MEDIA

Title (de)

ROLLENPUMPE ZUR PERISTALTISCHEN FÖRDERUNG VON FLÜSSIGEN UND GASFÖRMIGEN MEDIEN

Title (fr)

POMPE A ROULEAUX PERMETTANT LE TRANSPORT PERISTALTIQUE DE MILIEUX FLUIDES ET GAZEUX

Publication

EP 1137886 B1 20020731 (DE)

Application

EP 99964604 A 19991207

Priority

- DE 19856453 A 19981209
- EP 9910092 W 19991207

Abstract (en)

[origin: WO0034658A1] The invention relates to a roller pump (1) for the peristaltic transport of liquid and gaseous media of the type used in medical apparatus and apparatus for diagnostic laboratories. Instead of known pump tube systems the above roller pump operates with new flexible tube cassettes (2) produced by thermoplastic forming and presenting embossed pump segments. An essential characteristic of the new roller pump (1) is that for the use of tube cassettes (2) it is configured with adjacent, parallel pump tube segments (3) such that narrow roller pump units (4) can be arranged next to each other along a shared axis (6) in a modular manner. The number of such units corresponds to the requirements of the pump tube segments (3) of the tube cassette (2) which are embossed in accordance with the flow sheet of the pump tube system.

IPC 1-7

F04B 43/12

IPC 8 full level

F04B 43/12 (2006.01)

CPC (source: EP)

F04B 43/1253 (2013.01); **F04B 43/1292** (2013.01)

Cited by

WO2005031166A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0034658 A1 20000615; AT E221621 T1 20020815; AU 3039800 A 20000626; DE 19856453 A1 20000713; DE 19856453 C2 20020425; DE 59902234 D1 20020905; EP 1137886 A1 20011004; EP 1137886 B1 20020731; ES 2189527 T3 20030701

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EP 9910092 W 19991207; AT 99964604 T 19991207; AU 3039800 A 19991207; DE 19856453 A 19981209; DE 59902234 T 19991207; EP 99964604 A 19991207; ES 99964604 T 19991207