

Title (en)
PERISTALTIC PUMP

Title (de)
PERISTALTIKPUMPE

Title (fr)
POMPE PERISTALTIQUE

Publication
EP 1664535 A1 20060607 (DE)

Application
EP 04734653 A 20040525

Priority
• CH 2004000317 W 20040525
• CH 9882003 A 20030606

Abstract (en)
[origin: WO2004109109A1] The invention relates to a peristaltic pump comprising a tube-tube bed unit (1) which is connected in a rigid manner to the tube (3) in the pressed region (5) and which can not be separated from the tube bed (2). The tube-tube bed unit (1) comprises features or means (6, 6') which enable the pump to be fixed in a simple, precise and reproducible manner in relation to the rotor. In the pressed region (5), the tube (3) can be effectively prevented from being displaced or stretched corresponding to the decrease in the cross-section due to the tube-tube bed unit (1) and twisting of the tube (3) around the longitudinal axis is impossible in principle. The tube-tube bed unit (1) comprises a marking area, integrated tube clamping areas and grips (18, 18'). Preferably, the tube-tube bed unit (1) is produced by firmly and non-detachably connecting a tube bed (2), produced according to the inventive method, to a tube, which has a contact surface (4) which is adjusted to the tube bed (2), by means of adhesive or welding or by coextruding the tube (3) and the tube bed (2).

IPC 1-7
F04B 43/12

IPC 8 full level
F04B 43/00 (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP US)
F04B 43/0072 (2013.01 - EP US); **F04B 43/1253** (2013.01 - EP US)

Citation (search report)
See references of WO 2004109109A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004109109 A1 20041216; AT E502213 T1 20110415; DE 502004012312 D1 20110428; EP 1664535 A1 20060607; EP 1664535 B1 20110316; US 2006177329 A1 20060810

DOCDB simple family (application)
CH 2004000317 W 20040525; AT 04734653 T 20040525; DE 502004012312 T 20040525; EP 04734653 A 20040525; US 55793006 A 20060404