

Title (en)
FITTING FOR CHANGING LIQUID PATHS

Title (de)
ARMATUR ZUM UMSCHALTEN VON FLUIDWEGEN

Title (fr)
ROBINET DE COMMUTATION DE VOIES D'ÉCOULEMENT

Publication
EP 2721329 A1 20140423 (DE)

Application
EP 12728219 A 20120613

Priority
• DE 102011077679 A 20110617
• DE 102012209793 A 20120612
• EP 2012061162 W 20120613

Abstract (en)
[origin: WO2012171939A1] The invention relates to a fitting (28) for changing liquid paths, in particular for systems having a pressure exchanger (29). The pressure exchanger has pipes (30) having alternating flow direction. The housing (11) of the fitting comprises an inlet piece (2), an outlet piece (3), and a connection piece (1) for a pipe (30). The fitting has at least one shut-off element (17, 18) that is connected to an actuator (8, 10). The actuator (8, 10) is connected to a control device that is configured to produce a liquid flow between the inlet piece (2) and the connection piece (1), or between the connection piece (1) and the outlet piece (3). One shut-off element (17, 18) each is arranged in the inlet piece (2) and the outlet piece (3) respectively. The shut-off elements (17, 18) are axially movable to vary the size of flow openings.

IPC 8 full level
F16K 3/24 (2006.01); **F16K 11/20** (2006.01); **F16K 27/04** (2006.01)

CPC (source: CN EP US)
B01D 61/10 (2013.01 - CN EP US); **F16K 1/526** (2013.01 - US); **F16K 3/246** (2013.01 - EP US); **F16K 3/267** (2013.01 - CN EP US); **F16K 11/20** (2013.01 - CN EP US); **F16K 27/041** (2013.01 - CN EP US); **B01D 2313/18** (2013.01 - CN EP US); **Y10T 137/0318** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)
See references of WO 2012171939A1

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)
DE 102012209793 A1 20121220; AU 2012269102 A1 20140109; AU 2012269102 A8 20140130; CL 2013003347 A1 20140704; CN 103797287 A 20140514; EP 2721329 A1 20140423; SG 195017 A1 20131230; US 2014202544 A1 20140724; WO 2012171939 A1 20121220

DOCDB simple family (application)
DE 102012209793 A 20120612; AU 2012269102 A 20120613; CL 2013003347 A 20131121; CN 201280029536 A 20120613; EP 12728219 A 20120613; EP 2012061162 W 20120613; SG 2013085121 A 20120613; US 201214126702 A 20120613