

Title (en)
FLEXIBLE HOSE

Title (de)
FLEXIBLER SCHLAUCH

Title (fr)
TUYAU FLEXIBLE

Publication
EP 2899439 A4 20151104 (EN)

Application
EP 13852368 A 20131211

Priority
JP 2013007299 W 20131211

Abstract (en)
[origin: EP2899439A1] Inhibition of the elasticity or bendability of a tube-incorporated flexible hose at a location where a tube inserted in the flexible hose is adhered is suppressed. The tube-incorporated flexible hose includes a flexible hose main body formed by spirally winding and integrating a synthetic-resin flexible strip, and a flexible tube integrally joined to an inner surface of the flexible hose main body by an adhesive material. Of the inner surface of the flexible hose main body, an inner peripheral part positioned at the inner-most periphery portion of the hose has two spiral regions disposed alternately and spirally. The two spiral regions have surfaces with different adhesive properties with respect to the adhesive material. In one spiral region, the flexible hose main body and flexible tube are joined to each other. In the other spiral region, the flexible hose main body and flexible tube are substantially not joined to each other.

IPC 8 full level
F16L 11/12 (2006.01); **A47L 9/24** (2006.01); **F16L 9/18** (2006.01); **F16L 11/11** (2006.01); **F16L 11/118** (2006.01)

CPC (source: EP)
A47L 9/248 (2013.01)

Citation (search report)

- [AD] JP 2009024750 A 20090205 - TIGERS POLYMER
- [A] EP 0574371 A1 19931215 - PLASTIFLEX EUROP N V [BE]
- [A] EP 2065168 A1 20090603 - TIGERS POLYMER [JP]
- [A] EP 2532293 A2 20121212 - TIGERS POLYMER [JP]
- See references of WO 2015087367A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2899439 A1 20150729; EP 2899439 A4 20151104; EP 2899439 B1 20160427; CN 104822302 A 20150805; CN 104822302 B 20160525; MY 167339 A 20180816; WO 2015087367 A1 20150618

DOCDB simple family (application)
EP 13852368 A 20131211; CN 201380003981 A 20131211; JP 2013007299 W 20131211; MY PI2014001401 A 20131211