

Title (en)  
MULTI-LAYER HOSE HAVING LOW PERMEATION

Title (de)  
MEHRLAGIGER PERMEATIONSARMER SCHLAUCH

Title (fr)  
TUYAU SOUPLE MULTICOUCHE À FAIBLE PERMÉATION

Publication  
**EP 4297963 A1 20240103 (DE)**

Application  
**EP 22706245 A 20220114**

Priority  
• DE 102021201848 A 20210226  
• DE 2022200001 W 20220114

Abstract (en)  
[origin: WO2022179668A1] The present invention relates to a multi-layer hose which has a single-layer or multi-layer outer layer on the basis of at least one elastomer and a single-layer or multi-layer inner layer on the basis of at least one tetrafluoroethylene/hexafluoropropylene/vinylidene fluoride terpolymer, to a method for producing such a hose and to the use of the hose as a fuel hose.

IPC 8 full level  
**B32B 1/08** (2006.01); **B32B 25/04** (2006.01); **B32B 25/08** (2006.01); **B32B 27/06** (2006.01); **B32B 27/30** (2006.01); **B32B 27/32** (2006.01); **F16L 11/04** (2006.01)

CPC (source: EP)  
**B32B 1/08** (2013.01); **B32B 5/02** (2013.01); **B32B 5/12** (2013.01); **B32B 5/26** (2013.01); **B32B 25/042** (2013.01); **B32B 25/08** (2013.01); **B32B 25/10** (2013.01); **B32B 25/14** (2013.01); **B32B 25/16** (2013.01); **B32B 25/18** (2013.01); **B32B 25/20** (2013.01); **B32B 27/06** (2013.01); **B32B 27/12** (2013.01); **B32B 27/18** (2013.01); **B32B 27/304** (2013.01); **B32B 27/322** (2013.01); **B32B 2250/02** (2013.01); **B32B 2250/03** (2013.01); **B32B 2250/04** (2013.01); **B32B 2250/05** (2013.01); **B32B 2262/0269** (2013.01); **B32B 2270/00** (2013.01); **B32B 2307/202** (2013.01); **B32B 2307/51** (2013.01); **B32B 2307/714** (2013.01); **B32B 2307/7265** (2013.01); **B32B 2597/00** (2013.01); **B32B 2605/08** (2013.01); **F16L 11/04** (2013.01); **F16L 11/08** (2013.01)

Citation (search report)  
See references of WO 2022179668A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102021201848 A1 20220901**; EP 4297963 A1 20240103; WO 2022179668 A1 20220901

DOCDB simple family (application)  
**DE 102021201848 A 20210226**; DE 2022200001 W 20220114; EP 22706245 A 20220114