

Title (en)
FLEXIBLE FLUID TRANSPORT PIPE AND ASSOCIATED METHODS

Title (de)
FLEXIBLES FLÜSSIGKEITSTRANSPORTROHR UND ZUGEHÖRIGE VERFAHREN

Title (fr)
CONDUITE FLEXIBLE DE TRANSPORT DE FLUIDE ET PROCÉDÉS ASSOCIÉS

Publication
EP 4241003 A1 20230913 (FR)

Application
EP 21799307 A 20211109

Priority

- FR 2011472 A 20201109
- EP 2021081133 W 20211109

Abstract (en)
[origin: WO2022096748A1] Disclosed is a flexible pipe (10) designed to transport fluids comprising, from the interior toward the exterior: an internal tubular sheath (20) with an axis (A-A') defining an internal passage (13) for fluid circulation; a composite reinforcing structure (21) applied around the tubular sheath (20) and connected to the tubular sheath (20); at least one sealing layer (22) made of a thermoplastic material applied around the composite reinforcing structure (21); at least one ply of tensile armor (24, 25), not connected to the sealing layer (22) the at least one ply of tensile armor (24, 25) comprising at least one armor element (50) wound around the sealing layer (22); characterized in that the thickness of the sealing layer (22) is less than 15 mm.

IPC 8 full level
F16L 11/08 (2006.01); **B32B 1/08** (2006.01); **F16L 11/04** (2006.01)

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B29C 48/09 (2019.01 - US); **B29C 48/21** (2019.01 - EP US); **B29C 63/10** (2013.01 - EP US); **B32B 1/08** (2013.01 - EP); **B32B 3/18** (2013.01 - EP); **B32B 5/02** (2013.01 - EP); **B32B 7/12** (2013.01 - EP); **B32B 15/02** (2013.01 - EP); **B32B 15/082** (2013.01 - EP); **B32B 15/085** (2013.01 - EP); **B32B 15/088** (2013.01 - EP); **B32B 27/08** (2013.01 - EP); **B32B 27/12** (2013.01 - EP); **B32B 27/286** (2013.01 - EP); **B32B 27/288** (2013.01 - EP); **B32B 27/304** (2013.01 - EP); **B32B 27/32** (2013.01 - EP); **B32B 27/34** (2013.01 - EP); **F16L 11/083** (2013.01 - EP US); **B29C 48/09** (2019.01 - EP); **B29K 2271/00** (2013.01 - US); **B29K 2307/04** (2013.01 - US); **B29L 2009/00** (2013.01 - US); **B29L 2023/006** (2013.01 - US); **B32B 2262/106** (2013.01 - EP); **B32B 2274/00** (2013.01 - EP); **B32B 2307/54** (2013.01 - EP); **B32B 2307/7242** (2013.01 - EP); **B32B 2307/7265** (2013.01 - EP); **B32B 2307/732** (2013.01 - EP); **B32B 2597/00** (2013.01 - EP); **F16L 2011/047** (2013.01 - EP US)

Citation (search report)
See references of WO 2022096748A1

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Designated extension state (EPC)
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KH MA MD TN

DOCDB simple family (publication)
FR 3116099 A1 20220513; **FR 3116099 B1 20231208**; AU 2021375743 A1 20230615; EP 4241003 A1 20230913; US 2024019051 A1 20240118; WO 2022096748 A1 20220512

DOCDB simple family (application)
FR 2011472 A 20201109; AU 2021375743 A 20211109; EP 2021081133 W 20211109; EP 21799307 A 20211109; US 202118251999 A 20211109