

Title (en)  
MULTILAYER STRUCTURE BASED ON RECYCLED POLYAMIDE

Title (de)  
MEHRSCHICHTIGE STRUKTUR AUF BASIS VON RECYCLINGPOLYAMID

Title (fr)  
STRUCTURE MULTICOUCHE A BASE DE POLYAMIDE RECYCLE

Publication  
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Application  
**EP 21732468 A 20210518**

Priority

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Abstract (en)  
[origin: WO2021234263A1] The present invention relates to a multilayer tubular structure (MLT) for transporting fluids for a motor vehicle, in particular air, oil, water, a urea solution, a glycol-based coolant, or a fuel such as gasoline, in particular alcohol-based gasoline, bio-gasoline or diesel, in particular bio-diesel, or hydrogen, said structure comprising at least three layers: at least one layer (1) consisting of a composition predominantly comprising at least one semi-crystalline aliphatic polyamide, said composition consisting of at least 50% of recycled material from a single-layer and/or multilayer tube that has been intended for transporting fluids for a motor vehicle, in particular as defined above, said tube consisting of a composition which predominantly comprises at least one polyamide, at least one layer (2) consisting of a composition predominantly comprising at least semi-crystalline aliphatic polyamide and optionally at least one impact modifier, and when the layer (2) consists of a composition predominantly comprising at least one semi-crystalline aliphatic polyamide that is PA12 and/or PA612 and/or PA1010, then said composition comprises said impact modifier, and at least one barrier layer, said layer (2) and the barrier layer each consisting of at least 90% of non-recycled material.

IPC 8 full level  
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**B32B 1/08** (2013.01 - EP KR US); **B32B 27/08** (2013.01 - EP KR US); **B32B 27/18** (2013.01 - US); **B32B 27/34** (2013.01 - EP KR US); **C08K 5/13** (2013.01 - EP); **C08K 5/1535** (2013.01 - KR); **C08K 5/17** (2013.01 - KR); **C08K 5/435** (2013.01 - EP); **C08K 5/526** (2013.01 - EP); **C08L 77/00** (2013.01 - EP); **C08L 77/02** (2013.01 - EP KR); **C08L 77/06** (2013.01 - EP KR); **C08L 77/10** (2013.01 - EP KR); **H02K 1/27** (2013.01 - KR); **B32B 2250/03** (2013.01 - EP US); **B32B 2250/24** (2013.01 - EP US); **B32B 2272/00** (2013.01 - EP US); **B32B 2307/558** (2013.01 - EP); **B32B 2307/704** (2013.01 - US); **B32B 2307/7265** (2013.01 - US); **B32B 2597/00** (2013.01 - EP US); **B32B 2605/08** (2013.01 - US); **C08K 5/0016** (2013.01 - EP)

Citation (search report)  
See references of WO 2021234263A1

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