

Title (en)  
THERMOPLASTIC POLYURETHANES

Title (de)  
THERMOPLASTISCHE POLYURETHANE

Title (fr)  
POLYURÉTHANE THERMOPLASTIQUE

Publication  
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Application  
**EP 16766986 A 20160920**

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Abstract (en)  
[origin: WO2017050738A1] The invention relates to a thermoplastic polyurethane that is or can be obtained by reacting at least one polyisocyanate composition, 1,2-ethandiol as a chain extender, and a polyol composition, where no other chain extender is used apart from 1,2-ethandiol; the invention also relates to a method for producing such a thermoplastic polyurethane, and to the use of such a polyurethane for producing injection moulded products, extruded products, films and shaped bodies.

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**C08G 18/0895** (2013.01 - EP US); **C08G 18/244** (2013.01 - EP US); **C08G 18/3206** (2013.01 - EP US); **C08G 18/4238** (2013.01 - EP US); **C08G 18/4854** (2013.01 - EP US); **C08G 18/664** (2013.01 - EP US); **C08G 18/6674** (2013.01 - EP US); **C08G 18/6681** (2013.01 - US); **C08G 18/7671** (2013.01 - EP US); **C08J 5/18** (2013.01 - US); **F16L 11/04** (2013.01 - US); **C08J 2375/04** (2013.01 - US)

Citation (search report)  
• [X] US 2015246994 A1 20150903 - MOORE TIMOTHY G [AU], et al  
• [DX] DE 102005004967 A1 20060810 - BASF AG [DE]  
• [X] DE 102006021734 A1 20071115 - BAYER MATERIALSCIENCE AG [DE]  
• [X] US 2009100723 A1 20090423 - FARKAS JULIUS [US], et al  
• See also references of WO 2017050738A1

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