

Title (en)  
PEBA COMPOSITION AND USE THEREOF FOR MANUFACTURING A TRANSPARENT OBJECT RESISTANT TO HIGH-SPEED IMPACTS

Title (de)  
PEBA-ZUSAMMENSETZUNG UND IHRE VERWENDUNG ZUR HERSTELLUNG EINES TRANSPARENTEN GEGENSTANDES MIT RESISTENZ GEGENÜBER HOCHGESCHWINDIGKEITSAUFPRALLEN

Title (fr)  
COMPOSITION A BASE DE PEBA ET SON UTILISATION POUR LA FABRICATION D'UN OBJET TRANSPARENT RESISTANT A UN IMPACT DE HAUTE VITESSE

Publication  
**EP 2622019 A1 20130807 (FR)**

Application  
**EP 11773789 A 20110927**

Priority  
• FR 1003844 A 20100928  
• FR 2011052247 W 20110927

Abstract (en)  
[origin: WO2012042162A1] The present invention relates to the use of a copolymer comprising polyether (PE) blocks and polyamide (PA) blocks for manufacturing a transparent object that is resistant to high-speed impacts and resistant to shocks, wherein said copolymer has the following characteristics: said PA blocks include more than 50 mol % of an equimolar combination of at least one cycloaliphatic diamine and at least one aliphatic carboxylic diacid having 12 to 36 carbon atoms; said PA blocks constitute 20 to 90 wt % of the total weight of the copolymer; the numerical molecular weight of the PA blocks is within the range of 1,000 to 10,000 g/mol; said PE blocks constitute 10 to 80 wt % of the total weight of the copolymer; and the numerical molecular weight of the PE blocks is between 200 and 1,000 g/mol.

IPC 8 full level  
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CPC (source: EP KR US)  
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Citation (search report)  
See references of WO 2012042162A1

Citation (examination)  
WO 2008006991 A2 20080117 - ARKEMA FRANCE [FR], et al

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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