

Title (en)  
TRANSPARENT PART

Title (de)  
TRANSPARENTES BAUTEIL

Title (fr)  
COMPOSANT TRANSPARENT

Publication  
**EP 2102004 A1 20090923 (DE)**

Application  
**EP 07847765 A 20071204**

Priority  
• EP 2007063261 W 20071204  
• DE 102006058681 A 20061213

Abstract (en)  
[origin: WO2008071598A1] A transparent part which comprises the following components: I. A covering layer of a polyamide polymer melt which comprises the following constituent parts: a) from 50 to 100 parts by weight of polyamide which can be produced from the following monomers: a) from 70 to 100 mol% of diamine, selected from the group containing m-xylylenediamine, p-xylylenediamine and mixtures thereof, B) from 0 to 30 mol% of other diamines having from 6 to 14 C atoms, wherein the mol% amounts relate here to the sum of diamine, and ?) from 70 to 100 mol% of aliphatic dicarboxylic acids having from 10 to 18 C atoms, and d) from 0 to 30 mol% of other dicarboxylic acids having from 6 to 9 C atoms, wherein the mol% amounts relate here to the sum of dicarboxylic acid; b) from 0 to 50 parts by weight of another polyamide, wherein the parts by weight of a) and b) add up to 100, II. a substrate of a polymer melt on the basis of a largely amorphous polymer, wherein a) the covering layer, a possibly present adhesive promoter layer and possibly present further layers do not comprise any particle-shaped additives which reduce the transparency discernibly and b) with a layer thickness of 1 mm, the substrate has a maximum of at least 30% in the transmission curve within the visible spectrum from 380 to 800 nm, is scratch-resistant, chemical-resistant and suitable for optical applications.

IPC 8 full level  
**B32B 27/34** (2006.01)

CPC (source: EP US)  
**B32B 27/34** (2013.01 - EP US); **C08G 69/26** (2013.01 - EP US); **C08G 69/265** (2013.01 - EP US); **C08L 77/00** (2013.01 - EP US); **C08L 77/06** (2013.01 - EP US); **C09D 177/00** (2013.01 - EP US); **C09D 177/06** (2013.01 - EP US); **C08L 2205/02** (2013.01 - EP US); **Y10T 428/31721** (2015.04 - EP US); **Y10T 428/31725** (2015.04 - EP US); **Y10T 428/31736** (2015.04 - EP US); **Y10T 428/31757** (2015.04 - EP US)

C-Set (source: EP US)  
1. **C08L 77/00** + **C08L 2666/20**  
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3. **C09D 177/00** + **C08L 2666/20**  
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Citation (search report)  
See references of WO 2008071598A1

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