

Title (en)
HIGH PERFORMANCE GEOSYNTHETIC ARTICLE

Title (de)
GEOSYNTHETISCHER HOCHLEISTUNGSARTIKEL

Title (fr)
ARTICLE GÉOSYNTHÉTIQUE DE HAUTE PERFORMANCE

Publication
EP 1987096 A1 20081105 (EN)

Application
EP 07757730 A 20070301

Priority
US 2007063084 W 20070301

Abstract (en)
[origin: WO2008105878A1] Geotechnical article, and process for making it, the article having coefficient of thermal expansion less than about 150 ppm/°C at ambient; resistance to acidic media greater than polyamide 6 resin and/or resistance to basic media greater than PET resin; resistance to hydrocarbons greater than that of HDPE; creep modulus of at least 400 MPa at 25°C, at 20% of yield stress load for 60 minutes (ISO 899-1); and 1 percent secant flexural modulus at least 700 MPa at 25°C (ASTM D790); the article including a composition including (a) from about 1 to about 95% by weight of the composition of at least one functional group containing polymer or oligomer; and (b) from about 5 to about 99% by weight of the composition of at least one engineering thermoplastic, and optionally containing a filler and optionally containing an unmodified polyolefin, ethylene copolymer or ethylene terpolymer.

IPC 8 full level
C08L 23/00 (2006.01)

CPC (source: EP KR)
B29D 22/00 (2013.01 - KR); **B32B 27/32** (2013.01 - KR); **C08F 8/00** (2013.01 - EP); **C08L 23/08** (2013.01 - EP); **C08L 23/0853** (2013.01 - EP); **C08L 23/0869** (2013.01 - EP); **C08L 23/16** (2013.01 - EP); **C08L 51/06** (2013.01 - EP); **C08L 53/00** (2013.01 - EP); **C08L 67/02** (2013.01 - EP); **B29K 2023/00** (2013.01 - KR); **B82Y 30/00** (2013.01 - KR)

C-Set (source: EP)
1. **C08F 8/00 + C08F 10/00**
2. **C08L 23/0869 + C08L 2666/24**
3. **C08L 23/16 + C08L 2666/20**
4. **C08L 23/16 + C08L 2666/24**
5. **C08L 23/16 + C08L 2666/18**
6. **C08L 51/06 + C08L 2666/24**
7. **C08L 51/06 + C08L 2666/14**
8. **C08L 51/06 + C08L 2666/02**
9. **C08L 53/00 + C08L 2666/24**
10. **C08L 53/00 + C08L 2666/14**
11. **C08L 53/00 + C08L 2666/02**
12. **C08L 23/08 + C08L 2666/18**
13. **C08L 67/02 + C08L 2666/02**
14. **C08L 23/08 + C08L 2666/20**
15. **C08L 23/08 + C08L 2666/24**
16. **C08L 23/0853 + C08L 2666/18**
17. **C08L 23/0853 + C08L 2666/20**
18. **C08L 23/0853 + C08L 2666/24**
19. **C08L 23/0869 + C08L 2666/20**
20. **C08L 23/0869 + C08L 2666/18**

Citation (search report)
See references of WO 2008105878A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008105878 A1 20080904; AU 2007347758 A1 20080904; AU 2007347758 B2 20090604; BR PI0714692 A2 20121225; CA 2641840 A1 20080904; CA 2641840 C 20100622; CN 101454393 A 20090610; CN 101454393 B 20121114; EP 1987096 A1 20081105; KR 101187858 B1 20121008; KR 20090028500 A 20090318

DOCDB simple family (application)
US 2007063084 W 20070301; AU 2007347758 A 20070301; BR PI0714692 A 20070301; CA 2641840 A 20070301; CN 200780019362 A 20070301; EP 07757730 A 20070301; KR 20087026845 A 20070301