

Title (en)
REINFORCED POLYPHTHALAMIDE/POLY(PHENYLENE ETHER) COMPOSITION

Title (de)
VERSTÄRKTE POLYPHTHALAMID/POLY(PHENYLENETHER)ZUSAMMENSETZUNG

Title (fr)
COMPOSITION POLYPHTALAMIDE/POLY(ÉTHÉR DE PHÉNYLÈNE) RENFORCÉE

Publication
EP 2964703 A4 20161019 (EN)

Application
EP 14760073 A 20140304

Priority

- US 201361772499 P 20130304
- US 201313801366 A 20130313
- US 2014020236 W 20140304

Abstract (en)
[origin: WO2014138031A1] Disclosed herein is a reinforced composition comprising: 55 to 80 wt% of a compatibilized blend of a polyphthalamide and a poly(phenylene ether) wherein said compatibilized blend is formed from a mixture of polyphthalamide and poly(phenylene ether) in a ratio of between 1.5:1 and 7.0:1, and a functionalizing agent in an amount sufficient to effect compatibilization; and 20 to 45 wt% of a nylon glass fiber, wherein the composition contains less than 0.1 wt% of phosphinates and less than 0.1 wt% of impact modifiers and weight percent is based on the total weight of the composition.

IPC 8 full level
C08L 77/10 (2006.01); **C08G 65/34** (2006.01); **C08G 73/10** (2006.01); **C08L 71/12** (2006.01)

CPC (source: EP)
C08K 5/092 (2013.01); **C08K 5/1539** (2013.01); **C08K 7/14** (2013.01); **C08L 71/12** (2013.01); **C08L 77/06** (2013.01)

C-Set (source: EP)

1. **C08L 77/06** + **C08K 5/092** + **C08K 7/14** + **C08L 71/12**
2. **C08L 77/06** + **C08K 5/1539** + **C08K 7/14** + **C08L 71/12**

Citation (search report)

- [XAYI] WO 2005017042 A1 20050224 - GEN ELECTRIC [US], et al
- [XAYI] US 6284830 B1 20010904 - GOTTSCHALK AXEL [DE], et al
- [YA] US 2009242844 A1 20091001 - ELKOVITCH MARK [US]
- See references of WO 2014138031A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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US 2014020236 W 20140304; CN 201480010720 A 20140304; EP 14760073 A 20140304; JP 2015561533 A 20140304; KR 20157027363 A 20140304