

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 A1 20160113 (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)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014138031 A1 20140912**; CN 105073896 A 20151118; EP 2964703 A1 20160113; EP 2964703 A4 20161019; JP 2016509121 A 20160324; KR 102083231 B1 20200302; KR 20150126011 A 20151110

DOCDB simple family (application)

**US 2014020236 W 20140304**; CN 201480010720 A 20140304; EP 14760073 A 20140304; JP 2015561533 A 20140304; KR 20157027363 A 20140304