

Title (en)  
MASTERBATCH FOR MANUFACTURING AN INSULATING LAYER OF AN ELECTRIC CABLE

Title (de)  
MASTERBATCH ZUR HERSTELLUNG EINES ISOLIERSCICHT EINES ELEKTRISCHEN KABELS

Title (fr)  
MELANGE-MAITRE POUR LA FABRICATION D'UNE COUCHE ISOLANTE DE CABLE ELECTRIQUE

Publication  
**EP 2771401 A1 20140903 (FR)**

Application  
**EP 12787776 A 20121019**

Priority  
• FR 1159597 A 20111024  
• FR 2012052389 W 20121019

Abstract (en)  
[origin: WO2013060969A1] The invention relates to a masterbatch consisting essentially of an ethylene copolymer (A) and at least one ethylene comonomer having at least one polar group, an organic peroxide (B), and an anti-oxidant (C), the organic peroxide (B) accounting for 0.2 to 100 parts by weight, for 100 parts by weight of the copolymer (A), and the anti-oxidant accounting for 0.02 to 50 parts by weight, for 100 parts by weight of the copolymer (A). The invention also relates to methods for preparing the masterbatch and to the uses of said masterbatch for manufacturing insulating layers for electric cables and for limiting or preventing the water tree phenomenon for electric cables.

IPC 8 full level  
**C08L 23/08** (2006.01); **C08K 5/00** (2006.01); **H01B 3/00** (2006.01)

CPC (source: CN EP US)  
**C08J 3/22** (2013.01 - US); **C08J 3/226** (2013.01 - CN); **C08K 5/005** (2013.01 - EP US); **C08K 5/14** (2013.01 - CN EP US); **C08K 5/372** (2013.01 - CN); **C08K 5/375** (2013.01 - CN); **C08L 23/06** (2013.01 - CN); **C08L 23/0846** (2013.01 - EP US); **C08L 23/0869** (2013.01 - US); **C08L 33/08** (2013.01 - US); **H01B 3/441** (2013.01 - EP US); **H01B 3/447** (2013.01 - EP US); **H01B 3/448** (2013.01 - EP US); **H01B 7/2813** (2013.01 - CN EP US); **C08J 2323/06** (2013.01 - CN); **C08J 2323/08** (2013.01 - US); **C08J 2333/08** (2013.01 - US); **C08J 2423/08** (2013.01 - CN); **C08L 2203/202** (2013.01 - CN); **C08L 2207/066** (2013.01 - CN); **Y10T 29/49227** (2015.01 - EP US)

Citation (search report)  
See references of WO 2013060969A1

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)  
**FR 2981655 A1 20130426**; **FR 2981655 B1 20140314**; CN 103890077 A 20140625; EP 2771401 A1 20140903; IN 3523CHN2014 A 20151009; JP 2014534991 A 20141225; KR 20140081889 A 20140701; SG 11201401782V A 20140926; US 2014305677 A1 20141016; WO 2013060969 A1 20130502

DOCDB simple family (application)  
**FR 1159597 A 20111024**; CN 201280052032 A 20121019; EP 12787776 A 20121019; FR 2012052389 W 20121019; IN 3523CHN2014 A 20140509; JP 2014536319 A 20121019; KR 20147013751 A 20121019; SG 11201401782V A 20121019; US 201214353720 A 20121019