

Title (en)  
HIGH-CONCENTRATION CROSS-LINKING MASTERBATCHES

Title (de)  
HOCHKONZENTRIERTE VERNETZUNGS-MASTERBATCHES

Title (fr)  
MELANGES MAITRE DE RETICULATION HAUTEMENT CONCENTRES

Publication  
**EP 1194483 A1 20020410 (EN)**

Application  
**EP 00982711 A 20000703**

Priority

- EP 0006246 W 20000703
- JP 19263299 A 19990707

Abstract (en)  
[origin: WO0104200A1] The invention relates to a cross-linking masterbatch comprises more than 40 % by weight of organic peroxide, a synthetic rubber, and a specific silica. More specifically, a highly concentrated cross-linking masterbatch is provided comprising from 40 to 70 % organic peroxide, a synthetic rubber such as EPM and/or EPDM, preferably having a propylene content of 45 % or more and a Mooney viscosity at 100 DEG C of 30 or more, and a wet-treated and/or dry-treated silica having a specific surface area of 150 m<sup>2</sup>/g or more or a porous silica having a pore volume of 1.4 ml/g or more.

IPC 1-7  
**C08K 5/14**; **C08K 3/22**; **C08J 3/22**

IPC 8 full level  
**C08J 3/22** (2006.01); **C08K 3/36** (2006.01); **C08K 5/14** (2006.01); **C08L 23/16** (2006.01)

CPC (source: EP KR)  
**C08J 3/22** (2013.01 - KR); **C08J 3/226** (2013.01 - EP); **C08K 5/14** (2013.01 - EP); **C08J 2321/00** (2013.01 - EP); **C08J 2423/00** (2013.01 - EP)

C-Set (source: EP)  
1. **C08K 5/14** + **C08L 21/00**  
2. **C08K 5/14** + **C08L 23/16**

Citation (search report)  
See references of WO 0104200A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0104200 A1 20010118**; **WO 0104200 B1 20010315**; AU 2318901 A 20010130; BR 0012167 A 20020319; CA 2378297 A1 20010118; CN 1360614 A 20020724; CZ 200255 A3 20020515; EP 1194483 A1 20020410; JP 2001019773 A 20010123; JP 3633830 B2 20050330; KR 20020029066 A 20020417; MX PA02000243 A 20020702

DOCDB simple family (application)  
**EP 0006246 W 20000703**; AU 2318901 A 20000703; BR 0012167 A 20000703; CA 2378297 A 20000703; CN 00810020 A 20000703; CZ 200255 A 20000703; EP 00982711 A 20000703; JP 19263299 A 19990707; KR 20027000095 A 20020104; MX PA02000243 A 20000703