

Title (en)

PHOTO-INDUCED CROSSLINKING OF DOUBLE BOND-CONTAINING POLYMERS BY MEANS OF A PERICYCLIC REACTION

Title (de)

PHOTOINDUZIERTES VERNETZUNG VON DOPPELBINDUNGEN-ENTHALTENDEN POLYMEREN MITTELS PERICYCLISCHER REAKTION

Title (fr)

RÉTICULATION PHOTO-INDUITE DE POLYMÈRES CONTENANT DES DOUBLES LIAISONS AU MOYEN D'UNE RÉACTION PÉRICYCLIQUE

Publication

EP 2802609 A1 20141119 (DE)

Application

EP 12801585 A 20121214

Priority

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Abstract (en)

[origin: WO2013104486A1] The invention relates in particular to a novel, irreversible crosslinking mechanism in which special photoactive systems can be produced via photoenol reactions of diene intermediates that are highly reactive in a controlled manner by irradiating with visible light, said diene intermediates crosslinking double bond-containing polymers by means of a Diel-Alder reaction.

IPC 8 full level

C08F 2/48 (2006.01); **C08L 33/06** (2006.01)

CPC (source: EP US)

C08F 8/00 (2013.01 - US); **C08J 3/28** (2013.01 - US); **C09D 133/14** (2013.01 - EP US); **C09J 133/14** (2013.01 - EP US); **C08F 220/14** (2013.01 - EP); **C08L 2312/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2013104486A1

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