

Title (en)

METHOD FOR PREPARING A MASTER BATCH OF DIENE ELASTOMER AND REINFORCING FILLER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES DIENELASTOMER-MASTERBATCHES UND EINES VERSTÄRKENDEN FÜLLSTOFFES

Title (fr)

METHODE POUR PREPARER UN MELANGE MAITRE D'ELASTOMERE DIENIQUE ET DE CHARGE RENFORCANTE

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Application

EP 14714652 A 20140326

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Abstract (en)

[origin: WO2014161756A1] The invention concerns a method for preparing a master batch of diene elastomer and reinforcing filler, the reinforcing filler consisting of a filler at least partially coated with silica comprising the following successive steps: - preparing at least one dispersion of reinforcing filler in water, - bringing an elastomer latex into contact with the aqueous dispersion of reinforcing filler and mixing same in the presence of a metal salt comprising an at least divalent metal element, to obtain a coagulum, - recovering the coagulum, - drying the recovered coagulum to obtain the master batch; the molar ratio of metal cations, defined as the number of moles of metal cations of the metal salt per surface unit of reinforcing filler, is between $9.3 \cdot 10^{-7}$ and $1.875 \cdot 10^{-5}$ mol/m².

IPC 8 full level

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