

Title (en)
METAL-OXIDE NANOFILLER, METHOD FOR SYNTHESISING SAME, AND USE THEREOF IN A FLUOROCARBON-RESIN NON-STICK COATING

Title (de)
METALLOXID-NANOFÜLLSTOFF, VERFAHREN ZU SEINER SYNTHESE UND SEINE VERWENDUNG FÜR EINE FLUORKOHLENSTOFF-ANTIHAFTBESCHICHTUNG

Title (fr)
NANOCHARGE D'UN OXYDE MÉTALLIQUE, SON PROCÉDÉ DE SYNTHÈSE ET SON UTILISATION DANS UN REVÊTEMENT ANTIADHÉSIF À BASE DE RÉSINE FLUOROCARBONÉE

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Application
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Abstract (en)
[origin: WO2012072953A1] The present invention relates to a metal-oxide nanofiller including at least two graft chains, at least one of the chains being hydrophilic and the other being a hydrophobic chain compatible with fluorinated polymers. According to the invention, the hydrophobic chain is an oligomer, the weight-average molar mass Mw of which is between 300 and 20,000 g/mol-1. The present invention also relates to a non-stick coating comprising such a filler, as well as to a culinary article provided with such a coating.

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