

# Thinky mixers play important role in materials R&D

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Thick-film conductive compositions with nano-sized zinc additive

WO EP US CN JP KR TW • TW201120161A • Alex Sergey Ionkin • Du Pont

Priority 2004-09-17 • Filed 2010-09-17 • Published 2011-06-16

Finally, 1.75 g of DBE-3 from Invista (Wilmington, DE) was added. The organics were mixed for thirty seconds in a **Thinky** mixer from **Thinky** USA. The inorganic fraction was then added to the organic fraction in 3 aliquots and each was mixed for thirty seconds in **Thinky** between 150778 doc-25 - ...

Copper paste for joining, method for manufacturing joined body, and method for ...

WO EP CN JP KR SG TW • EP2450053A1 • Yuki Kawano • Hitachi Chemical Company, Ltd.

Priority 2016-04-28 • Filed 2017-04-20 • Published 2019-03-06

The air-tightened poly bottle was stirred at 2,000 min<sup>-1</sup> (2,000 rotations/minute) for two minutes using a rotation and revolution-type stirring device (Planetary Vacuum Mixer ARV-310, manufactured by **Thinky** Corporation). After that, zinc (product No.: 13789, manufactured by Alfa Aesar, 0.005 g) and ...

Magnesium oxide particles, magnesium oxide particle production method, resin ...

WO EP US CN JP KR • US2015014682 • Satoshi Komori • Sakai Chemical Industry Co., Ltd.

Priority 2013-05-24 • Filed 2014-05-15 • Granted 2015-01-02 • Published 2015-01-02

Then, 59.5 g of the magnesium oxide obtained by the method above was added. The mixture was supplied to a Planetary Centrifugal Mixer "**THINKY MIXER**" (ARE-250 from **Thinky** Corporation), kneaded at 2000 rpm for 5 minutes, and deaerated at 2100 rpm for 2 minutes. The sample taken out was passed through ...

Cathode active material for lithium ion secondary batteries, method for ...

KR • KR20190093547A • 조재필 • 울산과학기술원

Priority 2019-08-02 • Filed 2019-08-02 • Published 2019-08-09

Example 17 20 g of Co<sub>3</sub>O<sub>4</sub>, 10.644 g of Li<sub>2</sub>CO<sub>3</sub>, 2.609 g of Ni(OH)<sub>2</sub> and 0.067 g of MgCO<sub>3</sub> were uniformly mixed with a **Thinky** ARE-310 (Planetary mixer) for about 15 minutes. The mixed powder was heat treated at 450 ° C. for 1 hour, and then calcined at 970 ° C. for 8 hours to synthesize ...

Cathode active material for lithium ion secondary batteries, method for ...

WO EP US CN KR • KR20190048923A • 조재필 • 울산과학기술원

Priority 2017-10-31 • Filed 2017-10-31 • Published 2019-05-09

Example 4 20 g of Co<sub>3</sub>O<sub>4</sub>, 10.107 g of Li<sub>2</sub>CO<sub>3</sub>, 1.215 g of Ni(OH)<sub>2</sub>, 0.042 g of TiO<sub>2</sub> and 0.079 g of MgCO<sub>3</sub> were homogenized for about 15 minutes with a **Thinky** ARE-310 (Planetary mixer). The mixed powders were heat-treated at 450 ° C for 1 hour and then heat-treated at 970 ° C for 8 hours.

Carbon Black Dispersion for Conductive Material of Secondary Battery and the ...

KR • KR20180013081 • 윤기열 • 주식회사 영지화학

Priority 2014-02-13 • Filed 2014-02-13 • Granted 2017-11-29 • Published 2017-11-29

Wherein the active material is contained in an amount of 2000 to 3000 parts by weight based on 100 parts by weight of the carbon black dispersion. The method according to claim 1, Wherein the dispersion of step a) is stirred at 500 to 3000 rpm in a **Thinky** mixer. The method according to claim 1,

Positive electrode for power storage device, and power storage device

EP US CN JP KR • US20190267622A1 • Hiroyoshi Take • Nitto Denko Corporation

Priority 2016-07-29 • Filed 2017-07-20 • Published 2019-06-29

% as the binder, and 9.33 g of water to a solid concentration of 21 wt. %, stirring the resulting mixture at 2000 rpm for 10 minutes by means of a planetary centrifugal vacuum mixer (**THINKY MIXER** ARV-310 available from **THINKY** Co., Ltd.) and deforming the mixture for 3 minutes. The positive ...

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