

Title (en)
METHOD FOR PRODUCING ALKYL LITHIUM COMPOUNDS AND ARYL LITHIUM COMPOUNDS BY MONITORING THE REACTION BY MEANS OF IR-SPECTROSCOPY

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ALKYL LITHIUM VERBINDUNGEN UND ARYL LITHIUM VERBINDUNGEN DURCH REAKTIONSVERFOLGUNG MITTELS IR-SPEKTROSKOPIE

Title (fr)
PROCEDE DE PRODUCTION DE COMPOSE ALKYLE LITHIUM ET DE COMPOSE ARYLE LITHIUM AVEC SUIVI DE LA REACTION PAR SPECTROSCOPIE INFRAROUGE

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EP 05733858 A 20050224

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Abstract (en)
[origin: WO2005082911A1] The invention relates to a method for producing alkyl lithium compounds and aryl lithium compounds by reacting lithium metal with alkyl or aryl halogenides in a solvent, the concentration of the alkyl/aryl halogenide and the alkyl/aryl lithium compound being detected according to an in-line measurement in the reactor by means of IR spectroscopy, and an exact recognition of the end point of the dosing of the halogenide constituents being carried out by evaluation of the IR measurement. Said method enables an optimum reactive process and reaction yield. The identification of the respective concentration of the educt and the product is a reliable reactive process. The yield of the reaction is also optimised by determining the end point of the halogenide dosing, as is the purity of the product due to a lower concentration thereof during the reaction.

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