

Title (en)

CATHODE COMPOSITION FOR LITHIUM-ION BATTERY, PREPARATION PROCESS THEREOF, CATHODE AND LITHIUM-ION BATTERY INCORPORATING SAME

Title (de)

KATHODENZUSAMMENSETZUNG FÜR LITHIUM-IONEN-BATTERIE, VERFAHREN ZU IHRER HERSTELLUNG, KATHODE UND LITHIUM-IONEN-BATTERIE MIT DIESER ZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE CATHODE POUR BATTERIE LITHIUM-ION, SON PROCEDE DE PREPARATION, CATHODE ET BATTERIE LITHIUM-ION L'INCORPORANT

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Application

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Abstract (en)

[origin: WO2019073140A1] The invention relates to a cathode composition for use in a lithium-ion battery, a process for preparing this composition, such a cathode and a lithium-ion battery incorporating this cathode. The composition comprises an active material which comprises an alloy of lithiated oxides of nickel, cobalt and aluminium, an electrically conductive filler and a polymeric binder, and is such that said polymeric binder comprises at least one modified polymer (Id2) which is the product of a thermal oxidation reaction of a starting polymer and which incorporates oxygenated groups comprising CO groups, the composition being able to be obtained by the melt route and without solvent evaporation, being the product of said thermal oxidation reaction applied to a precursor mixture comprising said active material, said electrically conductive filler, said starting polymer and a sacrificial polymeric phase.

IPC 8 full level

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