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(54) Title: Electrode active coating for a lithium-ion battery and method of production therefore

(56) Cited documents: ---

(57) Abstract:

A method for producing an electrode active coating on a current collector comprising providing isolated lignin and subjecting the isolated lignin to a pre-treatment in order to remove low molecular mass fractions of the lignin. The pre-treated lignin is mixed with an electrode active material, water and a conductive additive material so as obtain a slurry adapted for coating of a current collector. The coating obtained by the method comprises pre-treated lignin as a binder. The coating obtained has good binding properties between the particles of the coating as well as to the current collector. Furthermore, it has excellent electrochemical properties during use in a lithium-ion battery.

