

CATHODE MATERIAL FOR LITHIUM-ION BATTERIES



Film of nanostructured composite material (left) electrodeposited on the inner surface of lithium-ion battery body and battery components (right)

Areas of Application

The material is to be used in cathode of Li-ion batteries

Specification

Nanostructured oxide composite materials based on chromium and cobalt compounds.

Power density, W/kg	<150
Capacity, mA · h/g	165

Advantages

Composite materials have a stable composition and are formed with bespoke nanostructure and properties; they are manufactured using a simplified process with a reduced number of operations; the product has a low cost

Stage of Development. Suggestions for Commercialization

IRL3, TRL3

Materials and technology of their application are ready for starting production on a pilot line

IPR Protection

IPR3

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