



ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE

Process for making an anode for lithium ion batteries

INVENTORS

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DESCRIPTION

The invention relates to a process for producing an anode for lithium ion batteries, comprising the following steps:

- depositing from vapor phase an active material directly on a metal substrate to form a current collector, the active material being substantially constituted by a film of SixGe_{1-x} , where $0 \leq x \leq 1$, and
- subjecting the anodic oxidation film to make it porous or increase its porosity.

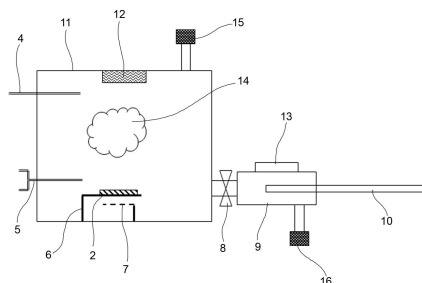


FIG. 2

APPLICATIONS

Batteries

KEYWORDS

Anode, ions, lithium, film, oxidation, porosity

BIBLIOGRAPHIC DATA

Processo per realizzare un anodo per batterie agli ioni di litio

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