

Patent title:	Process to manufacture an anode for lithium ion batteries (Processo per realizzare un anodo per batterie agli ioni di litio)
FBK center:	CMM
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Patent family:	—
Application(s):	Electricity storage
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Abstract:	The present invention relates to the field of lithium-ion batteries, one of the most widespread technologies for energy storage. A method for manufacturing an innovative anode is reported, which improves the gravimetric capacity of the battery, defined as the amount of charge stored per unit of mass (mAh/g). The novelty consists in the material used to manufacture the anode and in the construction simplicity of this anode, since the active material is directly deposited on the current collector without the need for any additional binder. The process is also easily scalable to industrial production level exploiting well established deposition and etching techniques.