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(54) **POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION BATTERY, POSITIVE ELECTRODE ACTIVE MATERIAL FOR SODIUM ION BATTERY, POSITIVE ELECTRODE MATERIAL, SOLID-STATE BATTERY, AND METHOD OF PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM ION BATTERY**

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ABSTRACT

A positive electrode active material for a lithium ion battery includes, in X-ray diffraction measurement results, three or more peaks in a 2θ range of from 64° to 70° and one peak in a 2θ range of from 15° to 20° , and the positive electrode active material belongs to the space group Cmca.

