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KURITA et al.(10) **Pub. No.: US 2024/0213472 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **METHOD OF MANUFACTURING POSITIVE ELECTRODE MATERIAL****Publication Classification**(51) **Int. Cl.****H01M 4/58** (2006.01)**H01M 4/02** (2006.01)**H01M 10/0525** (2006.01)(52) **U.S. Cl.****CPC** **H01M 4/58** (2013.01); **H01M 10/0525** (2013.01); **H01M 2004/028** (2013.01)(71) Applicant: **FUJITSU LIMITED**, Kawasaki-shi (JP)(72) Inventors: **Tomochika KURITA**, Kawasaki (JP);
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(57)

ABSTRACT

A positive electrode material has diffraction peaks at $2\theta=13.1^\circ\pm0.2^\circ$, $14.0^\circ\pm0.2^\circ$, and $18.4^\circ\pm0.2^\circ$ in X-ray diffraction ($2\theta=5^\circ$ to 90°) using synchrotron radiation having a wavelength of 1 Å, has a monoclinic crystal structure belonging to a space group $P2_1/c$, and is represented by a composition formula $Li_{2-2x}Co_{1+x}P_2O_7$ ($-0.2\leq x\leq 0.2$).

