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(54) **SULFIDE SOLID ELECTROLYTE MATERIAL, BATTERY, AND METHOD FOR PRODUCING SULFIDE SOLID ELECTROLYTE MATERIAL**

(57) The problem of the present invention is to provide a sulfide solid electrolyte material having excellent ion conductivity. The present invention solves the problem by providing a sulfide solid electrolyte material comprising an M₁ element (such as a Li element), an M₂ element (such as a Ge element and a P element), and an S element; having a peak in a position of 2θ =

29.58°±0.50° in an X-ray diffraction measurement using a CuKα line; and having an I_B/I_A value of less than 0.50 when a diffraction intensity at the peak of 2θ = 29.58°±0.50° is represented by I_A and a diffraction intensity at a peak of 2θ = 27.33°±0.50° is represented by I_B.

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FIG. 1

UPPER ROW : SULFIDE SOLID ELECTROLYTE MATERIAL OF THE PRESENT INVENTION
 LOWER ROW : CONVENTIONAL SULFIDE SOLID ELECTROLYTE MATERIAL

