

Title (en)  
SULFIDE SOLID ELECTROLYTE MATERIAL, BATTERY, AND METHOD FOR PRODUCING SULFIDE SOLID ELECTROLYTE MATERIAL

Title (de)  
FESTES SULFID-ELEKTROLYTMATERIAL, BATTERIE UND VERFAHREN ZUR HERSTELLUNG DES FESTEN SULFID-ELEKTROLYTMATERIALS

Title (fr)  
MATÉRIAU ÉLECTROLYTE SOLIDE À SULFURE, BATTERIE, ET PROCÉDÉ DE FABRICATION DE MATÉRIAU ÉLECTROLYTE SOLIDE À SULFURE

Publication  
**EP 2555307 A8 20130807 (EN)**

Application  
**EP 11759605 A 20110325**

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Abstract (en)  
[origin: EP2555307A1] 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 M 1 element (such as a Li element), an M 2 element (such as a Ge element and a P element), and an S element; having a peak in a position of  $2\theta = 29.58^\circ \pm 0.50^\circ$  in an X-ray diffraction measurement using a  $\text{CuK}\alpha$  line; and having an I B / I A value of less than 0.50 when a diffraction intensity at the peak of  $2\theta = 29.58^\circ \pm 0.50^\circ$  is represented by I A and a diffraction intensity at a peak of  $2\theta = 27.33^\circ \pm 0.50^\circ$  is represented by I B .

IPC 8 full level  
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Citation (search report)  
See references of WO 2011118801A1

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