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**DEGUCHI**(10) **Pub. No.: US 2024/0213447 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **POSITIVE ELECTRODE PLATE FOR  
NON-AQUEOUS ELECTROLYTE  
RECHARGEABLE BATTERY,  
NON-AQUEOUS ELECTROLYTE  
RECHARGEABLE BATTERY, AND METHOD  
FOR MANUFACTURING POSITIVE  
ELECTRODE PLATE FOR NON-AQUEOUS  
ELECTROLYTE RECHARGEABLE  
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**ABSTRACT**

A positive electrode plate for a non-aqueous electrolyte rechargeable battery includes a positive electrode mixture layer that is formed by a positive electrode mixture including a positive electrode active material and a conductive material. When  $R_S = (R_C \times B_C) / (R_A \times B_A)$  is satisfied, where  $R_C$  (mass %) represents a percentage of the conductive material,  $B_C$  (m<sup>2</sup>/g) represents a specific surface area of the conductive material,  $R_A$  (mass %) represents a percentage of the positive electrode active material,  $B_A$  (m<sup>2</sup>/g) represents a specific surface area of the positive electrode active material, and  $R_S$  represents a total surface area ratio, an aspect ratio AR of the conductive material is thirty or greater, the total surface area ratio  $R_S$  is in a range of 0.20 to 1.93, and a porosity P (%) of the positive electrode mixture layer is in a range of 40% to 55%.

