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(54) **POSITIVE ACTIVE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, POSITIVE ELECTRODE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, METHOD FOR MANUFACTURING NONAQUEOUS ELECTROLYTE SECONDARY BATTERY, AND METHOD OF USING NONAQUEOUS ELECTROLYTE SECONDARY BATTERY**

POSITIVELEKTRODENAKTIVMATERIAL FÜR SEKUNDÄRBATTERIE MIT WASSERFREIEM ELEKTROLYT, POSITIVELEKTRODE FÜR SEKUNDÄRBATTERIE MIT WASSERFREIEM ELEKTROLYT, SEKUNDÄRBATTERIE MIT WASSERFREIEM ELEKTROLYT, VERFAHREN ZUR HERSTELLUNG VON SEKUNDÄRBATTERIE MIT WASSERFREIEM ELEKTROLYT UND VERFAHREN ZUR VERWENDUNG VON SEKUNDÄRBATTERIE MIT WASSERFREIEM ELEKTROLYT

MATÉRIAU ACTIF D'ÉLECTRODE POSITIVE POUR BATTERIE SECONDAIRE À ÉLECTROLYTE NON AQUEUX, ÉLECTRODE POSITIVE POUR BATTERIE SECONDAIRE À ÉLECTROLYTE NON AQUEUX, BATTERIE SECONDAIRE À ÉLECTROLYTE NON AQUEUX, PROCÉDÉ DE FABRICATION DE BATTERIE SECONDAIRE À ÉLECTROLYTE NON AQUEUX, ET PROCÉDÉ D'UTILISATION DE BATTERIE SECONDAIRE À ÉLECTROLYTE NON AQUEUX

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(56) References cited:

EP-A1- 1 447 866	EP-A1- 3 306 712
WO-A1-03/044881	WO-A1-2016/190419
JP-A- 2010 050 079	JP-B2- 4 877 660
US-A1- 2009 239 146	US-A1- 2016 301 073