

Title (en)

MULTIVALENCE PHOTOCATALYTIC HETEROGENEOUS MATERIALS FOR SEMICONDUCTORS

Title (de)

MULTIVALENTE HETEROGENE FOTOKATALYTISCHE MATERIALIEN FÜR HALBLEITER

Title (fr)

MATÉRIAUX HÉTÉROGÈNES PHOTOCATALYTIQUES MULTIVALENTS POUR SEMI-CONDUCTEURS

Publication

**EP 2969186 A1 20160120 (EN)**

Application

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Abstract (en)

[origin: WO2014151861A1] Described herein are heterogeneous materials comprising a p-type semiconductor comprising two metal oxide compounds of the same metal in two different oxidation states and an n-type semiconductor having a deeper valence band than the p-type semiconductor valence bands wherein the semiconductor types are in ionic communication with each other. The heterogeneous materials enhance photocatalytic activity.

IPC 8 full level

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