

A PHOTOCATALYST FOR WATER SPLITTING**ABSTRACT**

5 A nanocrystalline photocatalyst for water splitting and a method for
fabricating a nanocrystalline photocatalyst for water splitting. The photocatalyst
comprises a structure having a specific surface area and a volume fraction of atoms
located both on the surface and at the grain boundaries adapted for enhancement of
a photocatalytic reaction.

10

FIG. 3(b)