US 20170162808A1

(19) United States

(12) Patent Application Publication

UETANI

(10) Pub. No.: US 2017/0162808 A1

(43) Pub. Date: Jun. 8, 2017

(54) **PHOTOELECTRIC CONVERSION DEVICE**

(71) Applicant: **SUMITOMO CHEMICAL COMPANY, LIMITED**, Tokyo (JP)

(72) Inventor: **Yasunori UETANI**, Tsukuba-shi (JP)

(73) Assignee: **SUMITOMO CHEMICAL COMPANY, LIMITED**, Tokyo (JP)

(21) Appl. No.: **15/325,815**

(22) PCT Filed: **Jun. 30, 2015**

(86) PCT No.: **PCT/JP2015/068756**

§ 371 (c)(1),
(2) Date: **Jan. 12, 2017**

(30) **Foreign Application Priority Data**

Jul. 14, 2014 (JP) 2014-143986

Publication Classification

(51) **Int. Cl.**

H01L 51/42	(2006.01)
H01L 51/00	(2006.01)
C08G 61/12	(2006.01)
H01L 27/30	(2006.01)
H01L 51/44	(2006.01)

(52) **U.S. Cl.**

CPC ***H01L 51/4246*** (2013.01); ***H01L 27/302*** (2013.01); ***H01L 51/442*** (2013.01); ***H01L 51/448*** (2013.01); ***C08G 61/126*** (2013.01); ***H01L 51/0043*** (2013.01); ***H01L 51/0036*** (2013.01); ***H01L 51/0035*** (2013.01); *C08G 2261/91* (2013.01); *C08G 2261/3246* (2013.01); *C08G 2261/3247* (2013.01); *C08G 2261/124* (2013.01); *C08G 2261/228* (2013.01); *C08G 2261/1412* (2013.01); *C08G 2261/3243* (2013.01)

(57) **ABSTRACT**

A photoelectric conversion device comprising a layer A having a hue value of h_1 in the L*C*h color system calculated from the transmittance spectrum and a layer B having a hue value of h_2 in the L*C*h color system calculated from the transmittance spectrum, wherein the above-described h_1 and the above-described h_2 satisfy $h_1+100 \leq h_2 \leq h_1+260$.