Title (en)

PHOTOELECTRIC CONVERSION DEVICE COMPRISING HYDROXAMIC ACID DERIVATIVE OR SALT THEREOF AS ADDITIVE AND PROCESS FOR PRODUCING SAME

Title (de)

PHOTOELEKTRISCHE UMWANDLUNGSVORRICHTUNG MIT HYDROXAMSÄUREDERIVAT ODER SALZ DAVON ALS ADDITIV UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

DISPOSITIF DE CONVERSION PHOTOÉLECTRIQUE CONTENANT UN DÉRIVÉ D'ACIDE HYDROXAMIQUE OU L'UN DE SES SELS EN TANT QU'ADDITIF ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication

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Application

EP 11800281 A 20110628

Priority

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- EP 11800281 A 20110628

Abstract (en)

[origin: WO2012001628A1] Disclosed is a process for producing a photoelectric conversion device comprising a dye-sensitized metal oxide semiconductor, which is treated with an essentially transparent hydroxamic acid derivative or a salt thereof. Also disclosed are the photoelectric conversion device obtained by the said process and the use of the essentially transparent hydroxamic acid derivative for enhancing the energy conversion efficiency ? of dye-sensitized photoelectric conversion device.

IPC 8 full level

H01G 9/20 (2006.01); **H01L 51/00** (2006.01); **H01L 51/42** (2006.01)

CPC (source: EP KR)

H01G 9/00 (2013.01 - KR); **H01G 9/20** (2013.01 - KR); **H01G 9/2031** (2013.01 - EP); H01G 9/2059 (2013.01 - EP); Y02E 10/542 (2013.01 - EP); Y02E 10/549 (2013.01 - EP)

Citation (search report)

- [XI] WO 2006010290 A1 20060202 - ECOLE POLYTECH [CH], et al
- [A] WILLIAM R. MCNAMARA ET AL: "Hydroxamate anchors for water-stable attachment to TiO2 nanoparticles", ENERGY & ENVIRONMENTAL SCIENCE, vol. 2, no. 11, 1 January 2009 (2009-01-01), pages 1173, XP055137953, ISSN: 1754-5692, DOI: 10.1039/b910241h
- See also references of WO 2012001628A1

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DOCDB simple family (publication)

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