

Self-cleaning Surfaces with Enhanced Light Transmission Properties

Tech ID: 23234 / UC Case 2011-018-0

TECHNOLOGY DESCRIPTION

University researchers have developed devices, systems and techniques for producing and implementing articles and materials having nanoscale and microscale structures that exhibit superhydrophobic, superoleophobic or omniphobic surface properties and other enhanced properties. The invention has broad applications for information display devices that are subject to a touch, as well as optical applications including solar cells, thermoelectric energy conversion devices, sunlight focusing lenses, waveguides, and other similar devices.

INTELLECTUAL PROPERTY INFO

Patent:

[International Application No. PCT/US2011/001995](#)

[Pub. No. WO2012087352](#)

“SUPERHYDROPHOBIC AND SUPEROLEOPHOBIC NANOSURFACES”

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,569,506	02/25/2020	2011-018
United States Of America	Issued Patent	9,956,743	05/01/2018	2011-018

Additional Patent Pending

CONTACT

University of California, San Diego
Office of Innovation and Commercialization
innovation@ucsd.edu
tel: 858.534.5815.



OTHER INFORMATION

KEYWORDS

self-cleaning, superhydrophobic, superoleophobic, nanostructures

CATEGORIZED AS

- [Nanotechnology](#)
- [Materials](#)

RELATED CASES

2011-018-0