

Title (en)

ULTRAPHOBIC SURFACE HAVING A MULTITUDE OF REVERSIBLY PRODUCIBLE HYDROPHILIC AND/OR OLEOPHILIC AREAS

Title (de)

ULTRAPHOBE OBERFLÄCHE MIT EINER VIELZAHL REVERSIBEL ERZEUGBARER HYDROPHILER UND/ODER OLEOPHILER BEREICHE

Title (fr)

SURFACE ULTRAPHOBE DOTÉE D'UNE PLURALITÉ DE ZONES HYDROPHILES ET/OU OLEOPHILES POUVANT ÊTRE PRODUITES DE MANIÈRE REVERSIBLE

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Abstract (en)

[origin: WO03071275A1] The invention relates to a planar structure, particularly a plate, having an ultraphobic surface on which the hydrophilic and/or oleophilic areas can be reversibly produced. The invention also relates to a planar structure comprising an ultraphobic surface provided with hydrophilic and/or oleophilic areas that are each completely surrounded by ultraphobic areas. The invention additionally relates to methods for reversibly producing hydrophilic and/or oleophilic areas on ultraphobic surfaces, to the deposition of liquid drops onto the inventive planar structure, and to the use of the inventive planar structure for conducting mass spectroscopic and/or optical analysis of aqueous liquids. .

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