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[U.S. Patent No. 11,278,941](#) entitled “Selective Termination of Superhydrophobic Surfaces” issued March 22, 2022 to BVW Holding AH of Cham, China. Invented by Michael Milbocker of Holliston, Massachusetts and Lukas Bluecher of Eurasburg, Germany. Abstract: Provided herein is a hierarchical superhydrophobic surface comprising an array of first geometrical features disposed on a substrate comprising a first material, and an array of second geometrical features disposed on the first features to form a hierarchical structure and a terminal level disposed on the second features, wherein the terminal level comprises a second material, the second material being different from the first material. The second material has a hydrophilicity different from the hydrophilicity of at least one of 1) the hydrophilicity of the second material and 2) hydrophilicity induced by the hierarchical structure. The present disclosure further methods of preparing hierarchical superhydrophobic surfaces and medical devices comprising the hierarchical superhydrophobic surfaces.