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(54) Title: METHODS OF PRODUCING AND DETERMINING PROPENSITY FOR BACTERIAL ADHESION TO PARTS FOR BIOPROCESSING SYSTEMS

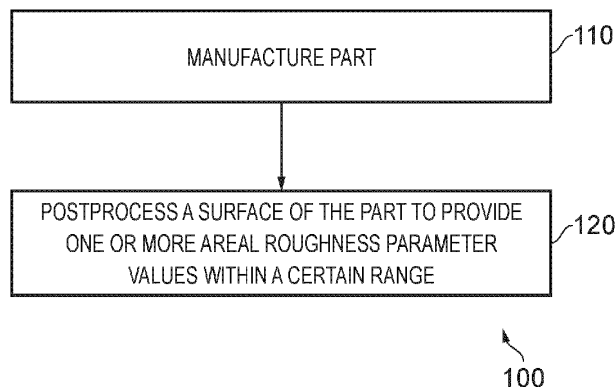


FIG. 1

(57) Abstract: The present disclosure relates to a method (100) of producing a part (300) for use in a bioprocessing system, the method (100) comprising: manufacturing (110) the part (300) using an additive manufacturing process; and postprocessing (120) a surface of the part (300), wherein the surface is intended to be wetted in use; wherein the postprocessed surface has one or more of the following areal roughness parameter values (e.g. measured in accordance with ISO 25178-2:2022), wherein the one or more areal roughness parameter values are measured for the surface after filtering the surface to remove surface features having long wavelengths (e.g. above about 54 μm): a reduced dale height, S_{vk} , of less than about 5 μm ; an arithmetical mean height, S_a , of less than about 2.5 μm ; a dale void volume, V_{vv} , of less than about 0.5 $\mu\text{m}^3 \mu\text{m}^{-2}$; and/or a five-point pit height, S_{5v} , of less than about 15 μm .

