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(71) Applicants: **ENGINZYME AB** [SE/SE]; Tomtebodavägen 6, 171 65 Solna (SE). **BUNGE SA** [CH/CH]; 13, Route de Florissant, 1206 Geneva (CH).

(72) Inventors: **ALVARENGA DA SILVA, Natalia**; Trolle-sundsvägen 56F, 124 30 Bandhagen (SE). **STRIDFELDT, Elin**; Karlsbodavägen 47, 168 66 Bromma (SE). **VOLKOV, Alexey**; Slätbäcksvägen 18, 120 51 Årsta (SE). **RUGGIERI, Federica**; Skönviksvägen 307, 122 66 Enskede (SE). **HENDIL-FORSSELL, Peter**; Buntmakarvägen 77, 141 73 Segeltorp (SE). **RÅMGÅRD, Carl**; Professorsslingan 41, 114 17 Stockholm (SE). **BAUMGARTEN, Thomas**; Mårdstigen 8, 170 75 Solna (SE). **MATTEY, Ashley**; Gunnar Asplunds Allé 6, 171 69 Solna (SE). **MURPHY, Vince**; Skolgatan 1B, 172 31 Sundbyberg (SE). **THOMPSON, Matthew P.**; Murkelgatan 9, 253 73 Gantofta (SE). **CLEMENTS, Alden M.**; Radiusbacken 6, 126 29 Hägersten (SE). **GERGEL, Sebastian**; Garvis Carlssons Gata 4, 169 41 Solna (SE).

(74) Agent: **NOVITAS PATENT AB**; Sveavägen 166, 113 46 Stockholm (SE).

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(54) Title: **BIOCATALYSTS FOR ORGANIC SYNTHESIS**

(57) **Abstract:** The invention relates to a biocatalyst for organic synthesis, comprising a controlled porosity silica (CPS) as support material, wherein the pore diameter is between about 20 and about 100 nm, said support material comprising an amino-functionalized surface; and one or more catalytically active enzyme(s) immobilized on the support material. The invention also relates to uses of such biocatalysts and methods of manufacture thereof.