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(71) Applicant: **CODEXIS, INC.** [US/US]; 200 Penobscot Drive, Redwood City, California 94063 (US).

(72) Inventors: **CHEN, Haibin**; Blk 716 Clementi W., St 2 #06-11, Singapore 120716 (SG). **MOORE, Jeffrey**; 367 Orenda Circle, Westfield, New Jersey 07090 (US). **COLLIER, Steven J.**; 22 Burroughs Rd, Lexington, Massachusetts 02420 (US). **SMITH, Derek**; 12 Holland Avenue #10-31 272012, Singapore, Singapore 117525 (SG). **NAZOR, Jovana**; 200 Penobscot Dr, Redwood City, California 94063 (US). **HUGHES, Gregory**; 2001 Hill Top Rd., Scotch Plains, New Jersey 07076 (US). **JANEY, Jacob**; 50 West 72nd St Apt 1505, New York, New York 10023 (US). **HUISMAN, Gjalt**; 200 Penobscot Dr, Redwood City, California 94063 (US). **NOVICK, Scott**; 200 Penobscot Dr, Redwood City, California 94063 (US). **AGARD, Nicholas**; 200 Penobscot Dr, Redwood City, California 94063 (US). **ALVIZO, Oscar**; 200 Penobscot Dr, Redwood City, California 94063 (US). **COPE, Gregory**; 200 Penobscot Dr, Redwood City, California 94063 (US). **YEO, Wan Lin**; Blk 213 Bedok North Street 1 #11-145, Singapore 460213 (SG). **SUKUMARAN, Joly**; Blk 703 W. Coast Rd. #11-391, Singapore 120703 (SG). **NG, Stephanie**; 200 Penobscot Dr, Redwood City, California 94063 (US).

(74) Agents: **WHITING, Adam, K.** et al.; CODEXIS, INC., 200 Penobscot Drive, Redwood City, California 94063 (US).

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(54) **Title**: ENGINEERED IMINE REDUCTASES AND METHODS FOR THE REDUCTIVE AMINATION OF KETONE AND AMINE COMPOUNDS

(57) **Abstract**: The present disclosure provides engineered polypeptides having imine reductase activity, polynucleotides encoding the engineered imine reductases, host cells capable of expressing the engineered imine reductases, and methods of using these engineered polypeptides with a range of ketone and amine substrate compounds to prepare secondary and tertiary amine product compounds.