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(71) Applicant: ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY [US/US];
1475 N. Scottsdale Rd., Ste. 200, Scottsdale, AZ 85257 (US).

(72) Inventors: LINDSAY, Stuart; 3229 E. Desert Lane, Phoenix, AZ 85042 (US). ZHANG, Bintian; 1001 S McAllister Avenue, Tempe, AZ 85281 (US). DENG, Hanqing; 995 E. Baseline Road, Tempe, AZ 85283 (US).

(74) Agent: BRADLEY, Karri Kuenzli et al.; Schwabe Williamson & Wyatt, P.C., 1211 SW Fifth Avenue, Suite 1900, Portland, OR 97204 (US).

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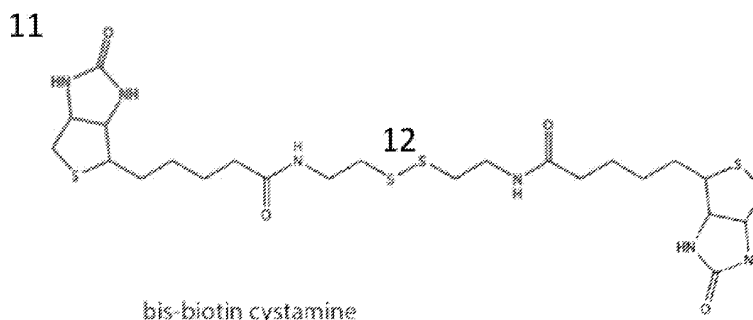


Fig. 1

(57) Abstract: A universal connection system for assembling and electrically connecting proteins to make bioelectronic detectors and logic circuits, exploiting the electronic properties of ligand-receptor interactions and the quasi metallic properties of protein interiors.