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- (74) **Agents:** SMITH, Mary, Breen et al.; Swanson & Bratschun, L.L.C., 8210 SouthPark Terrace, Littleton, Colorado 80120 (US).
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- (71) **Applicant:** MYCOTECHNOLOGY, INC. [US/US]; 12635 E. Montview Blvd, Suite 375, Aurora, Colorado 80045 (US).
- (72) **Inventors:** KELLY, Brooks, John; 3800 Northbrook Dr., Boulder, Colorado 80304 (US). LANGAN, James, Patrick; 1897 Pearl St., Denver, Colorado 80203 (US). FORTIN, Kevin; 253 S. Lincoln Ave., Louisville, Colorado 80027 (US).

(54) **Title:** MYCELIATED PRODUCTS AND METHODS FOR MAKING MYCELIATED PRODUCTS FROM CACAO AND OTHER AGRICULTURAL SUBSTRATES

(57) **Abstract:** The present invention provides a method for the preparation of a myceliated cacao bean or other agricultural product. This method providing cacao beans or other agricultural substrate and sterilizing the cacao beans or other agricultural substrate to provide prepared cacao beans or other agricultural substrate, and a step of inoculating the prepared cacao beans or other agricultural substrate with a prepared fungal component and culturing the inoculum to prepare the myceliated product. The methods of the instant invention result in prepared cacao beans or other agricultural substrate having reduced levels of undesirable taste components, such as theobromine or 2-methoxy-3-isopropylpyrazine, and increased levels of myceliation products, such as beta glucans, pyrazines and polysaccharides, relative to starting cacao beans or other agricultural substrate.

