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(72) **Inventors:** **VOUTE, Nicolas**; Chemin Peygros, F-13780 Cuges les Pins (FR). **LEE, Eric, K.**; 3 Jay Lane, Acton, MA 01720 (US). **DeBEERS, James, Edward**; 2420 N. Talman, Chicago, IL 60647 (US). **WOODARD, Brian, J.**; 375 W. Erie, #515, Chicago, IL 60610 (US). **LEE, Ngee, Jenn**; 5134 N. Cumberland, #204, Norridge, IL 60640 (US).

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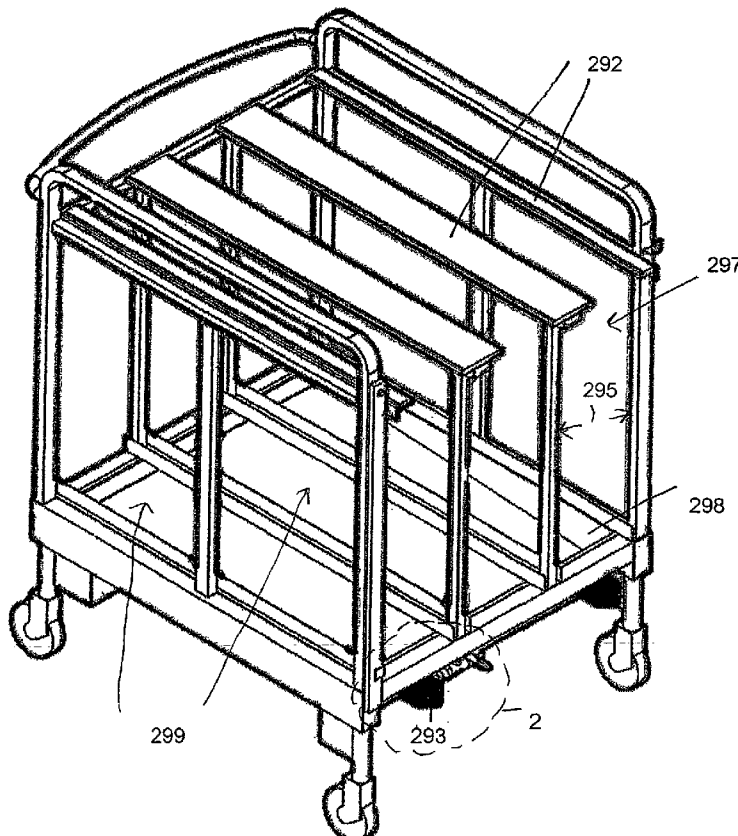
(74) **Agents:** **CARDONA, Victor, A.** et al.; Heslin Rothenberg Farley & Mesiti P.C., 5 Columbia Circle, Albany, NY 12203 (US).

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(71) **Applicant:** **INTEGRATED BIOSYSTEMS, INC.**
[US/US]; 445 Devlin Road, Napa, CA 94558 (US).

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(54) **Title:** SYSTEMS AND METHODS FOR FREEZING, STORING, TRANSPORTING AND THAWING BIOPHARMACEUTICAL MATERIAL



(57) **Abstract:** A system for freezing, thawing, transporting, and storing a biopharmaceutical material, which includes a container (10, 1120, 1310), a supporting structure (15, 215, 1005, 1315, 1430), a temperature control unit (20), and a transportation cart (290, 999, 1000, 1100, 1300, 1400). The container (10, 1120, 1310) is adapted to receive the biopharmaceutical material with the container (10, 1120, 1310) also being receivable in the supporting structure (15, 215, 1005, 1315, 1430). The temperature control unit (20) has a cavity (25) for receiving the supporting structure (15, 215, 1005, 1315, 1430), when the supporting structure (15, 215, 1005, 1315, 1430) supports the container (10, 1120, 1310), and the transportation cart (290, 999, 1000, 1100, 1300, 1400) has a channel (297, 397, 1317, 1420, 1520) for receiving the supporting structure (15, 215, 1005, 1315, 1430), when the supporting structure (12, 215, 1005, 1315, 1430) supports the container (10, 1120, 1310).



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