



US 20180057240A1

(19) **United States**(12) **Patent Application Publication**
Malcolm(10) **Pub. No.: US 2018/0057240 A1**(43) **Pub. Date: Mar. 1, 2018**(54) **PASSIVE AND FORCED AIR COOLING FOR
FRESH PRODUCE**(52) **U.S. Cl.**CPC *B65D 81/263* (2013.01); *B65D 2205/02*
(2013.01); *B65D 43/02* (2013.01); *B65D*
85/345 (2013.01)(71) Applicant: **Direct Pack, Inc.**, Azusa, CA (US)(72) Inventor: **Christian Damian Malcolm**, Thousand
Oaks, CA (US)(57) **ABSTRACT**

Cases and containers for cooling produce may be cooperatively designed to provide cooling efficiencies in both passive ventilation and forced air cooling environments. Each container may include an element for helping form an opening or ventilation funnel within the center area of the cases, with a corresponding opening in the same area of the case for allowing cooling fluid to pass therethrough. Further, each container may include an element for parsing or dividing incoming forced cooling fluid into both the lid and the base. In some versions of the containers, the air may be divided based at least in part on the design of the container, including the proportions of the containers lid to base structure. In this way the forced cooling fluid may be proportionately passed into the overall container to more efficiently cool the produce therein.

(21) Appl. No.: **15/692,123**(22) Filed: **Aug. 31, 2017****Related U.S. Application Data**(60) Provisional application No. 62/381,954, filed on Aug.
31, 2016.**Publication Classification**(51) **Int. Cl.**
B65D 81/26 (2006.01)
B65D 85/34 (2006.01)
B65D 43/02 (2006.01)