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(54) Title: TEMPERATURE-CONTROLLED CARGO CONTAINER WITH AIR DISTRIBUTION

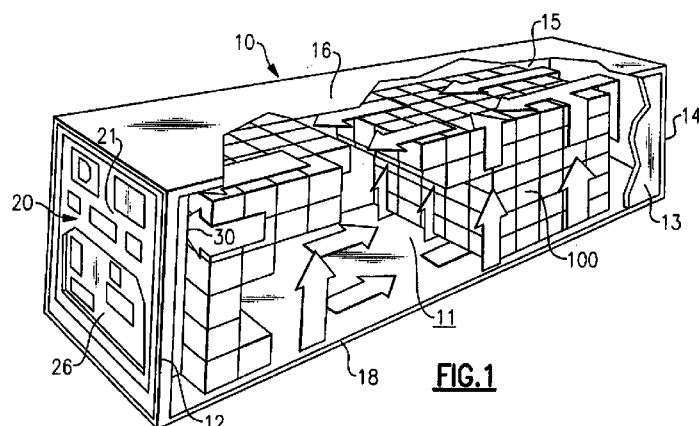


FIG. 1

(57) Abstract: The distribution of condition air into the cargo space of a temperature controlled container is improved. Conditioned air may be selectively distributed into the cargo space from a plenum beneath the cargo support floor through a plurality of longitudinally and laterally spaced apart openings through the cargo support floor. Side air ducts may be provided extending rearwardly along the side walls of the container for distributing conditioned air received from a pair of side air outlets in a refrigerant unit associated with the container. The side air ducts may have a plurality of air discharge openings and may discharge conditioned air into vertically extending recesses in the side walls. The side air outlets have a selectively variable flow area. The number, location and size of the openings through the cargo support floor, as well as the air discharge openings in the side air ducts, may be selectively varied so as to selectively distribute the conditioned air flow throughout the cargo space.

