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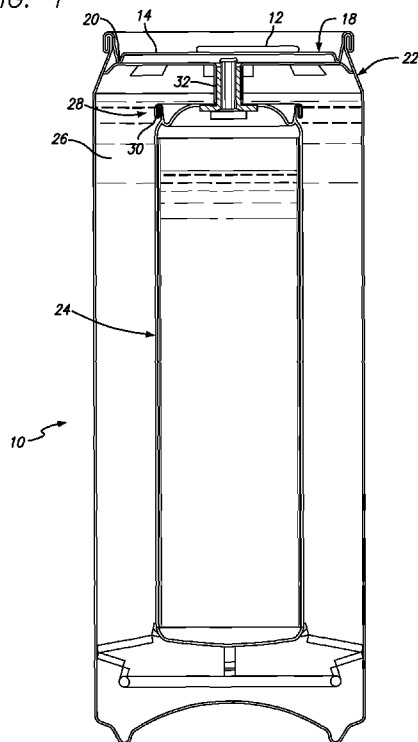
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(54) Title: HEAT EXCHANGE UNIT FOR SELF-COOLING CONTAINERS

FIG. 1



(57) Abstract: A heat exchange unit (HEU) for positioning internally of a container for housing a food or beverage, the HEU including a metal shell having an outer surface, and a metal top section having a skirt, which fits over the outer surface of the metal shell and is permanently secured to said metal shell by an adhesive material, compressed carbon particles are disposed within said metal shell and carbon dioxide gas is adsorbed by said carbon particles and upon activation of a valve secured to said top section desorbs to cool the food or beverage.

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