

Title (en)  
Method and apparatus for cooling and dispensing beverage.

Title (de)  
Verfahren und Vorrichtung zum Kühlen und Spenden eines Getränkes.

Title (fr)  
Méthode et appareil pour refroidir et distribuer une boisson.

Publication  
**EP 0165792 A1 19851227 (EN)**

Application  
**EP 85304297 A 19850617**

Priority  
US 62139184 A 19840618

Abstract (en)  
A beverage cooling, carbonating and dispensing apparatus has a refrigerator cabinet (12) having a cold air cooling chamber (14), a cold beverage reservoir (16) and carbonator (60) in the cooling chamber, an outlet for the reservoir to a dispensing valve (42), and a thermally conductive precooling (18) in a beverage inlet to the reservoir, the precooling is in the cold air chamber and has a substantial restriction to flow of beverage therethrough so that the refilling flow into the reservoir is very slow and is cooled to about 40 degrees F (4.4 degrees C) before admittance into the reservoir, so the entire contents of the reservoir can be dispensed without warm up or loss of carbonation. A method of cooling, carbonating and dispensing beverage has the steps of storing a supply of previously precooled beverage in a reservoir (16) dispensing servings of beverage from the reservoir, replenishing the reservoir with new beverage from the reservoir, replenishing the reservoir with new beverage at an incoming flow rate substantially less than the dispensing flow rate by restricting the incoming flow to a trickle and precooling the trickling flow while cooling the reservoir, and carbonating the cold trickling flow upon admittance to the reservoir. This apparatus and method substantially increasing the dispensing capacity.

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IPC 8 full level  
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• [A] US 2515570 A 19500718 - MAURICE RUBINFELD

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