

ABSTRACT

A refrigerator is improved in storage environment by suppressing drying and oxidation and enhanced in volume efficiency and cooling efficiency. The refrigerator includes a refrigerating chamber, a vegetable chamber, and a freezing chamber in order from its top to its bottom. Cool air is introduced into the freezing chamber by a first cooler and a first fan, and is introduced into the refrigerating chamber by a second cooler and a second fan. These chambers function as a direct cooling chamber. The vegetable chamber functions as an indirect cooling chamber cooled by a cooling plate which is disposed at the top of the chamber and has a large thermal conductivity, which is cooled by forced convection by the second cooler and the second fan, producing the effects of low temperature radiation and natural convection in the chamber. This arrangement provides the refrigerator with quality maintaining effects in accordance with the suitability for storage of foods, and allows the refrigerator to assure high storing performance.



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