

Refrigerant Supply Device, Cooling Device, And Cooling System

Abstract

[Problem]

A refrigerant supply device with a small lateral width and a capacity to supply refrigerant evenly among heat receivers disposed in multiple tiers needs to be provided.

[Solution]

A refrigerant supply device for distributing, by force of gravity, liquid phase refrigerant to heat receivers disposed in a plurality of tiers includes: a first conduit for supplying the refrigerant to the heat receivers; a second conduit provided in parallel with the first conduit; a first aperture provided in the first conduit for supplying the refrigerant to one of the heat receivers; a first blocking means provided below the first aperture for blocking the first conduit; a first communication opening provided above the first aperture and communicating the first conduit and the second conduit; a second communication opening provided below the first blocking means and communicating the first conduit and the second conduit; and a second blocking means provided below the second communication opening for blocking the second conduit.

Fig. 1