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(54) Title: ~~COOLING SYSTEM FOR TELECOMMUNICATION EQUIPMENT ARRANGED IN A CABINET OR SIMILAR~~

(57) Abstract

The present invention relates to a cooling system for telecommunications equipment housed in a cupboard, cabinet or corresponding device. According to the invention, those components (A, B, C, D) which emit most heat, such as power units, radio transmitters, final stages and the like, are mounted in a first cabinet space (2), while remaining components (F) that emit less heat are mounted in a second, hermetically closed space (3). The first space is cooled with circulation air which enters the system from without and which flows through channels or like conduits past the components (A-D) parallel therewith and in direct contact therewith. The second space is cooled with air that circulates through a heat-exchanger (E) mounted in the first space and delivers heat thereto. Those components that emit most heat are housed in hermetically closed boxes (A, B, C, D) which are preferably EMC-shielded against the surroundings and which have heat sinks mounted on the outside thereof. Air may be circulated through the first space and the second space and through the heat-exchanger (E) with the aid of fans (6, 9), wherein the air circulated by the first (6) of these fans flows in counterflow relative to the air circulated through the heat-exchanger (E) by the other (9) of said fans.

