



Abstract

Method and system for controlling radio communications network and radio network controller

The invention relates to a method and system for controlling a radio communications network. The invention is advantageously applied in broadband radio networks (GRAN) offering fixed network services to their users. An idea of the invention is that in preparation for a handover a list in a neighbouring radio network controller is compiled of those base stations that would constitute a candidate set should said neighbouring radio network controller be made the active radio network controller. A second idea of the invention is that in conjunction with a connection set-up a radio network controller is selected via which user information flows for the whole duration of the connection. That radio network controller is here called an anchor controller (aRNC). If a connection is handed over to a base station that belongs to another radio network controller (bRNC), the user information is directed so as to travel to the active radio network controller via the anchor controller. The invention makes it possible, among other things, to reduce the load of the core network of a cellular network and to decrease transmission power in conjunction with a handover.

Fig. 7