

SIGNAL SEQUENCE GENERATING METHOD, CONTROL  
INFORMATION GENERATING APPARATUS AND USER EQUIPMENT  
TERMINAL

5

**ABSTRACT**

A signal sequence generating method of  
generating a signal sequence used by a user  
equipment terminal in a mobile communication system  
10 includes the steps of generating, by a base station,  
a predetermined hopping pattern; generating, by the  
base station, a hopping sequence by applying an  
offset to the predetermined hopping pattern;  
transmitting, by the base station, the hopping  
15 sequence to the user equipment terminal; and  
generating, by the user equipment terminal, the  
signal sequence according to the hopping sequence.

20 Figure 12