

**METHOD AND APPARATUS FOR SUPERIMPOSING AND DETECTING
AN ADDITIONAL INFORMATION SIGNAL**

ABSTRACT

A spectrum spread signal by the spread code synchronized with the synchronous signal accompanied to an information signal is superimposed to the information signal and is then transmitted and the spectrum spread signal is then detected using the spread code for detection synchronized with the synchronous signal from the information signal to which the spectrum spread signal is superimposed. A value of the information signal to which the spectrum spread signal is superimposed is added or subtracted depending on the chip value of the relevant spread code for detection in each chip of the spread code for detection. The spectrum spread signal is detected by determining whether the added/subtracted value has exceeded the predetermined threshold value or not.

Figures 7C & 7D