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(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).			
(72) Inventors: FORSSSEN, Ulf, Göran; Toppvägen 6, S-132 39 Saltsjö-Boo (SE). BODIN, Stig, Roland; Gribbysvägen 55, S-163 59 Spånga (SE).		Published With international search report.	
(74) Agents: BOHLIN, Björn et al.; Telefonaktiebolaget LM Ericsson, Patent and Trademark Dept., S-126 25 Stockholm (SE).			

(54) Title: WIDE ANTENNA LOBE

(57) Abstract

A method for broadcasting information in a cellular communication system comprising at least one base station with an antenna array and a plurality of mobile stations is disclosed. The common information is preprocessed to create orthogonal signals. The orthogonal signals are then beam formed so that the orthogonal signals are delivered to the different elements in the array antenna. The orthogonal signals are transmitted and then received at at least one mobile station. The signals are then processed at the mobile station to decipher the common information from the orthogonal signals.

