

ABSTRACT (the figure)
CELLULAR RADIO SYSTEMS

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REPLACED

5 In a cellular radio system the facility is provided
for a call to be broadcast from a control centre Mx, (for
example an emergency service controller), or from any of
the mobile units Ma, Mb, Mc etc., to all of the others.
Each cell allocates a single channel to the broadcast
10 service, irrespective of the number of mobile units in the
cell. This allows more efficient use of the available
channels than the use of a separate channel for each mobile
unit.

15 In one embodiment no channel is allocated to a cell
unless at least one mobile unit responds to a paging signal
in that cell. Paging may continue throughout a broadcast
call to allow a channel to be allocated when a mobile unit
enters a previously unoccupied cell or to allow release of
a channel should all mobiles leave a previously occupied
cell.

20 The broadcast facility can be provided on a cellular
network which also supports other mobile units which do not
receive the broadcast service, and whose operation is not
affected by it.

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