

**System And Method For Management Of Neighbor-Channel
Interference With Power Control And
Directed Channel Assignment**

Novel methodologies are provided for managing neighbor channel interference in a cellular wireless communications system as a function of a service-quality factor for a communications channel within such a system. Those methodologies, and their essential function are characterized as:

Mixed Power Control -- for overcoming interference problems associated with conventional power control methods;

Directed Assignment -- for reducing neighbor-channel conflicts between neighboring cells in non-congestion conditions; and

Mixed Power Control with Directed Assignment -- for reducing neighbor-channel interference between neighboring cells.

Figures 8 and 10