

Title (en)  
WIRELESS COMMUNICATIONS APPROACH USING BACKGROUND MONITORING

Title (de)  
DRAHTLOSER KOMMUNIKATIONSANSATZ MIT HINTERGRUNDÜBERWACHUNG

Title (fr)  
APPROCHE DE COMMUNICATIONS SANS FIL METTANT EN OEUVRE UNE SURVEILLANCE DU FOND

Publication  
**EP 1905166 A1 20080402 (EN)**

Application  
**EP 06787151 A 20060707**

Priority  

- US 2006027206 W 20060707
- US 69758705 P 20050708
- US 30333605 A 20051216

Abstract (en)  
[origin: WO2007009043A1] A wireless communications approach includes background monitoring to identify incumbent users and to characterize communications channels. One or more communications channels are used for wireless communications and are monitored separately and concurrently with the communications on the one or more communications channels. The background monitoring may identify communications channels that have incumbent users or do not have acceptable performance and therefore are not to be used for communications. The background monitoring may also pre-qualify communications channels that do not have incumbent users and have acceptable performance. When a determination is made that a particular communications channel is no longer to be used for communications, for example, because an incumbent user has been detected on the particular communications channel or because the performance of the particular communications channel is no longer acceptable, then the particular communications channel is replaced by a replacement communications channel identified via the background monitoring.

IPC 8 full level  
**H04B 1/713** (2011.01); **H04B 17/00** (2006.01)

CPC (source: EP)  
**H04B 1/715** (2013.01); **H04W 72/541** (2023.01); **H04B 2001/7154** (2013.01); **H04W 16/14** (2013.01)

Citation (search report)  
See references of WO 2007009043A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2007009043 A1 20070118**; EP 1905166 A1 20080402

DOCDB simple family (application)  
**US 2006027206 W 20060707**; EP 06787151 A 20060707