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(A) 中華民國專利

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- [2] 基因演算法收斂加速裝置、系統以及方法, 中華民國專利號碼: 發明第 I 272779 號 (2007/02/21~2022/12/25)
- [3] 在無線通訊系統中利用偵錯碼以提升通道頻寬效能的方法及其電腦可讀取媒體,

- 中華民國專利號碼: 發明第 I 286010 號 (2007/08/21~2025/12/12)
- [4] 雙向無線群組控管方法及裝置, 中華民國專利號碼: 發明第 I 292663 號 (2008/01/11~2028/01/10)
 - [5] 在無線通訊系統中直接資料鏈結之方法, 中華民國專利號碼: 發明第 I 296472 號 (2008/05/01~2025/11/03)
 - [6] 傳輸碼框之無線通訊系統、方法及其電腦可讀取媒體, 中華民國專利號碼: 發明第 I 301023 號 (2008/09/11~2025/11/21)
 - [7] 可調整連線識別碼的數量之通訊裝置、方法及應用程式, 中華民國專利號碼: 發明 I 323528 號 (2010/04/11~2026/10/03)
 - [8] 用於一多重躍進網路中繼一資料訊號之裝置、傳輸方法及其電腦可讀取記錄媒體, 中華民國專利號碼: 發明 I 364186 號 (2012/05/11~2027/12/02)
 - [9] 資料校正裝置, 資料校正方法及其電腦程式產品, 中華民國專利號碼: 發明 I 371928 號 (2012/09/01~2028/12/14)
 - [10] 基地台、下級站台及其傳輸方法, 中華民國專利號碼: 發明 I 382728 號 (2013/01/11~2029/07/05)
 - [11] 基於多重躍進中繼標準以傳輸及中繼通道描述之方法、無線通訊系統、電腦可讀取紀錄媒體及通訊裝置, 中華民國專利號碼: 發明 I 387282 號 (2013/02/21~2027/12/19)
 - [12] 用於一多躍式無線網路之中央控制裝置、訊號傳輸裝置以及訊號轉發裝置及其傳輸方法, 中華民國專利號碼: 發明 I 387262 號 (2013/02/21~2029/01/15)
 - [13] 基地台、下級站台及其傳輸方法, 中華民國專利號碼: 發明 I 390875 號 (2013/03/21~2029/05/03)
 - [14] 微型基地台、基地台、微型閘道器及其通訊方法, 中華民國專利號碼: 發明 I 404431 號 (2013/08/01~2029/11/26)
 - [15] 行動裝置, 中華民國專利號碼: 發明 I 423600 號 (2014/01/11~2030/11/24)
 - [16] 訊號源配置系統、方法及其電腦可讀去記憶媒體, 中華民國專利號碼: 發明 I 531266 號 (2016/04/21~2031/11/17)
 - [17] 授權輔助存取網路系統及其干擾通訊方法, 中華民國專利號碼: 發明 I 583146 號 (2017/05/11~2035/11/1)

(B) 韓國專利

- [1] METHOD AND COMPUTER READABLE MEDIA FOR EFFICIENT CHANNEL ACCESS BY USING PARTIAL ERROR DETECTION CODE IN CENTRALIZED WIRELESS COMMUNICATION SYSTEM, 韓國專利號碼:發明第 10-0700259 號 (2007/03/20~2026/02/06)
- [2] METHOD FOR DIRECT LINK IN WIRELESS COMMUNICATION SYSTEM, 韓國專利號碼:發明第 10-0737064 號 (2007/07/02~2026/03/06)
- [3] WIRELESS COMMUNICATION SYSTEM, METHOD FOR TRANSMITTING FRAME, AND MEDIUM RECORDING PROGRAM THEREOF, 韓國專利證書碼: 發明第 10-0997925 號 (2007/07/19~2026/03/09)
- [4] WIRELESS COMMUNICATION SYSTEM, METHOD FOR TRANSMITTING FRAME, AND MEDIUM RECORDING PROGRAM THEREOF, 韓國專利證書碼: 發明第 10-0742722 號(2007/07/19~2029/07/06)
- [5] METHOD, WIRELESS COMMUNICATION SYSTEM, TANGIBLE MACHINE-

READABLE MEDIUM, AND COMMUNICATION APPARATUS FOR TRANSMITTING BANDWIDTH ALLOCATION BASED ON A MULTI-HOP RELAY STANDARD, 韓國專利證書碼:發明第 10-0961002 號 (2010/05/25~2028/03/03)

- [6] METHOD, WIRELESS COMMUNICATION SYSTEM, TANGIBLE MACHINE-READABLE MEDIUM, AND COMMUNICATION APPARATUS FOR TRANSMITTING AND RELAYING CHANNEL DESCRIPTOR BASED ON A MULTI-HOP RELAY STANDARD, 韓國專利證書碼:發明第 10-0965899 號 (2010/06/16~2028/03/03)
- [7] METHOD, WIRELESS COMMUNICATION SYSTEM, COMPUTER-READABLE RECORDING MEDIUM, AND COMMUNICATION APPARATUS FOR TRANSMITTING UPLINK HYBRID AUTOMATIC REPEAT REQUEST PACKETS BASED ON A MULTI-HOP RELAY STANDAR, 韓國專利證書碼:發明第 10-0997924 號 (2010/11/26~2028/04/03)
- [8] METHOD, WIRELESS COMMUNICATION SYSTEM, COMPUTER-READABLE RECORDING MEDIUM, AND COMMUNICATION APPARATUS FOR TRANSMITTING DOWNLINK HYBRID AUTOMATIC REPEAT REQUEST PACKETS BASED ON A MULTI-HOP RELAY STANDARD, 韓國專利證書碼:發明第 10-0997925 號 (2010/11/26~2028/04/03)
- [9] APPARATUS, TRANSMISSION METHOD, AND TANGIBLE COMPUTER-READABLE MEDIUM THEREOF FOR RELAYING A DATA SIGNAL IN A MULTI-HOP NETWORK, 韓國專利證書碼:發明第 10-1005937 號 (2010/12/28~2028/03/03)
- [10] COMMUNICATION APPARATUS, COMMUNICATION METHOD, AND COMPUTER PROGRAM PRODUCT FOR A WIRELESS COMMUNICATION SYSTEM, 韓國專利證書碼:發明第 10-1110348 號 (2012/01/19~2029/12/04)
- [11] DATA CORRECTION APPARATUS, DATA CORRECTION METHOD AND TANGIBLE MACHINE-READABLE MEDIUM THEREOF, 韓國專利證書碼:發明第 10-1120593 號(2012/02/20~2029/07/06)

(C) 美國專利

- [1] METHOD FOR DIRECT LINK IN WIRELESS COMMUNICATION SYSTEM, 美國專利號碼: US 7,555,305 B2 (2009/06/30~2026/01/20)
- [2] WIRELESS COMMUNICATION SYSTEM USING CHANNEL ACCESS BASED ON A CONTENTION APPROACH AND METHOD THEREOF, 美國專利號碼: US 7,634,285 B2 (2009/12/15~2025/10/17)
- [3] WIRELESS COMMUNICATION SYSTEM, METHOD FOR TRANSMITTING FRAME, AND COMPUTER PROGRAM PRODUCT THEREOF, 美國專利號碼: US 7,706,366 B2 (2010/04/27~2026/03/21)
- [4] WIRELESS NETWORK SCHEDULING CONTROL SYSTEM AND METHOD THEREOF AND COMPUTER READABLE RECORDING MEDIA, 美國專利號碼: US 7,792,067 B2 (2010/09/07~2027/05/25)
- [4] METHOD, WIRELESS COMMUNICATION SYSTEM, TANGIBLE MACHINE-READABLE MEDIUM, AND COMMUNICATION APPARATUS FOR TRANSMITTING BANDWIDTH ALLOCATION BASED ON A MULTI-HOP RELAY STANDARD, 美國專利號碼: US 8,027,689 B2 (2011/09/27~2027/12/05)
- [5] DATA CORRECTION APPARATUS, DATA CORRECTION METHOD AND TANGIBLE MACHINE-READABLE MEDIUM THEREOF, 美國專利號碼: US 8,073,825 B2 (2011/12/06~2029/06/17)

- [6] BASE STATION, SUBORDINATED STATION AND TRANSMISSION METHOD THEREOF, 美國專利號碼: US 8,265,884 B2 (2012/01/31~2029/07/07)
- [7] BASE STATION, SUBORDINATED STATION AND TRANSMISSION METHOD THEREOF, 美國專利號碼: US 8,107,884 B2 (2012/01/31~2029/01/10)
- [8] BASE STATION, SUBORDINATED STATION AND TRANSMISSION METHOD THEREOF, 美國專利號碼: US 8,265,644 B2 (2012/05/15~2029/05/05)
- [9] BASE STATION, SUBORDINATED STATION AND TRANSMISSION METHOD THEREOF, 美國專利號碼: US 8,179,825 B2 (2012/05/15~2029/05/10)
- [10] SERVICE PROVIDING APPARATUS SERVICE CONSUMING APPARATUS, AND SERVICE TRANSMITTING METHOD THEREOF, 美國專利號碼: US 8,265,644 B2 (2012/09/11~2030/11/30)
- [11] MOBILE APPARATUS, 美國專利號碼: US 8,395,548 B2 (2013/03/12~2030/12/10)
- [12] Method, Wireless Communication System, Tangible Machine-Readable Medium, And Communication Apparatus For Transmitting And Relaying Channel Description Based On A Multi-Hop Relay Standard, 美國專利號碼: US 7,970,343 B2
- [13] DIRECT MODE COMMUNICATION SYSTEM AND COMMUNICATION RESOURCE SCHEDULING METHOD THEREOF, 美國專利號碼: US 9,693,379 B2 (2017/6/27~)

(D) 英國專利

- [1] FEMTOCELL,BASE STATION,FEMTO GATEWAY,AND COMMUNICATION METHOD THEREOF,專利證書號: GB2475745 號 (2012/04/11~2029/03/12)
- [2] FEMTOCELL, COMMUNICATION METHOD FOR THE FEMTOCELL, AND COMPUTER READABLE MEDIUM THEREOF, 專利證書第 GB2480888 號 (2012/06/27~2030/08/13)

(E) 德國專利

- [1] DATA CORRECION APPARATUS, DATA CORRETION METHOD AND TANGIBLE MACHINE-READABLE MEDIUM THEREOF, 專利證書號: Nr. 10 2009 032 640 號 (2009/10/07~2028/12/15)
- [2] SERVICE PROVIDING APPARATUS SERVICE CONSUMING APPARATUS, AND SERVICE TRANSMITTING METHOD THEREOF , 專利證書號: Nr. 10 2010 061 153 號 (2012/11/08~2030/10/12)

(F) 加拿大專利

- [1] WIRELESS NETWORK SCHEDULING CONTROL SYSTEM AND METHOD THEREOF AND COMPUTER READABLE RECORDING MEDIA, 專利證書號:2,589,235 (2011/07/26~2027/05/17)
- [2] WIRELESS COMMUNICATION SYSTEM,METHOD FOR TRANSMITTING FRAME,AND COMPUTER PROGRAM PRODUCT THEREOF, 專利證書號: 2,541,702 (2012/04/03~2026/04/04)
- [3] METHOD,WIRELESS COMMUNICATION SYSTEM,TANGIBLE MACHINE-READABLE MEDIUM,AND COMMUNICATION APPARATUS FOR TRANSMITTING BANDWIDTH ALLOCATION BASED ON A MULTI-HOP RELAY STANDARD, 專利證書號: 2,622,883 (2012/11/27~2028/11/27)

(G) 中國專利

- [1] 可中繼數據的裝置、傳輸方法及其電腦可讀取記錄媒體, 專利證書號:第 814311 號
(2011/07/27~2028/02/28)
- [2] 傳輸頻寬分配的方法、系統及裝置, 專利證書號:第 1020556 號
(2012/08/08~2028/02/28)
- [3] 數據校正裝置及數據校正方法, 專利證書號:第 1158557 號
(2013/03/27~2028/12/22)
- [4] 傳輸通道描述的方法、系統及裝置, 專利證書號:第 1147251 號
(2013/03/06~2028/02/29)
- [5] 移動台、基站、及其傳輸方法, 專利證書號:第 1225324 號
(2013/06/26~2030/04/09)