

Title (en)  
APPARATUS AND METHOD FOR EFFICIENT GENERATION OF DELTA FILES FOR OVER-THE-AIR UPGRADES IN A WIRELESS NETWORK

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR EFFIZIENTEN ERZEUGUNG VON DELTA-DATEIEN FÜR AIR-FUNK-AUFRÜSTUNGEN IN EINEM DRAHTLOSEN NETZWERK

Title (fr)  
APPAREIL ET PROCEDE DE GENERATION EFFICACE DE FICHIERS DELTA POUR MISES A NIVEAU PAR VOIE AERIENNE DANS UN RESEAU SANS FIL

Publication  
**EP 1754322 A4 20120307 (EN)**

Application  
**EP 05749346 A 20050610**

Priority  

- KR 2005001760 W 20050610
- US 57868504 P 20040610
- US 57868404 P 20040610
- US 12566305 A 20050510
- US 12566505 A 20050510

Abstract (en)  
[origin: WO2005122439A1] A method of generating a composite delta file based on the differences between an original file and an upgraded file. The method comprises the steps of: 1) segmenting the original binary file into segments of size N; 2) segmenting the upgraded binary file into segments of size N; 3) detecting a first set of differences between a first segment from the original binary file and a first segment from the upgraded binary file; and 4) generating a first delta file from the detected first set of differences. The method further comprises the steps of: 4) detecting a second set of differences between a second segment from the original binary file and a second segment from the upgraded binary file; and 5) generating a second delta file from the detected second set of differences. The first and second delta files are combined to form the composite delta file.

IPC 8 full level  
**H04W 24/02** (2009.01); **G06F 9/445** (2006.01); **H04B 7/26** (2006.01)

CPC (source: EP)  
**G06F 8/658** (2018.01); **H04W 24/02** (2013.01)

Citation (search report)  

- [I] WO 03096211 A1 20031120 - DOONGO TECHNOLOGIES INC [US]
- [I] EP 0981090 A1 20000223 - CONNECTED PLACE LIMITED [GB]
- [A] US 2002010702 A1 20020124 - AJTAI MIKLOS [US], et al
- [A] WO 03052622 A2 20030626 - WORKSHARE TECHNOLOGY LTD [GB]
- [A] US 5574906 A 19961112 - MORRIS ROBERT J T [US]
- [A] SHAPIRA D ET AL: "In-place differential file compression of non-aligned files with applications to file distribution, backups, and string similarity", DATA COMPRESSION CONFERENCE, 2004. PROCEEDINGS. DCC 2004 SNOWBIRD, UT, USA MARCH 23-25, 2004, PISCATAWAY, NJ, USA,IEEE, 23 March 2004 (2004-03-23), pages 82 - 91, XP010692178, ISBN: 978-0-7695-2082-7, DOI: 10.1109/DCC.2004.1281453
- See references of WO 2005122439A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2005122439 A1 20051222**; EP 1754322 A1 20070221; EP 1754322 A4 20120307

DOCDB simple family (application)  
**KR 2005001760 W 20050610**; EP 05749346 A 20050610