



(11) **EP 2 096 874 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:
H04N 7/68 (2006.01) H04N 7/26 (2006.01)

(48) Corrigendum issued on:
14.03.2012 Bulletin 2012/11

(45) Date of publication and mention
of the grant of the patent:
23.11.2011 Bulletin 2011/47

(21) Application number: **09002773.1**

(22) Date of filing: **26.02.2009**

(54) **Error resilient video transmission using instantaneous receiver feedback and channel quality adaptive packet retransmission**

Fehlerunanfällige Videoübertragung unter Verwendung von sofortigem Empfängerfeedback und kanalqualitätsadaptiver Paketneuübertragung

Transmission vidéo résiliente aux erreurs utilisant le retour instantané d'informations de récepteur et retransmission de paquets adaptative à la qualité du canal

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK TR**

(30) Priority: **26.02.2008 US 31490 P**

(43) Date of publication of application:
02.09.2009 Bulletin 2009/36

(73) Proprietor: **RichWave Technology Corp.**
Taipei City (TW)

(72) Inventors:
• **Steinbach, Eckehard Goetz**
Neihu District
Taipei City (TW)
• **Deng, Wei-Kung**
Neihu District
Taipei City (TW)
• **Wong, Shyh-Chyi**
Neihu District
Taipei City (TW)

(74) Representative: **Schmitz, Hans-Werner**
Hoefer & Partner
Patentanwälte
Pilgersheimer Strasse 20
81543 München (DE)

(56) References cited:
• **YAO WANG ET AL: "Error Control and Concealment for Video Communication: A Review" PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 86, no. 5, 1 May 1998 (1998-05-01), XP011044024 ISSN: 0018-9219**
• **WIEGAND T ET AL: "Overview of the H.264/AVC video coding standard" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 13, no. 7, 1 July 2003 (2003-07-01), pages 560-576, XP011099249 ISSN: 1051-8215**
• **BERND GIROD ET AL: "Feedback-Based Error Control for Mobile Video Transmission" PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 87, no. 10, 1 October 1999 (1999-10-01), XP011044278 ISSN: 0018-9219**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 2 096 874 B8

- YAO WANG ET AL: "Real-Time Video Communications over Unreliable Networks" IEEE SIGNAL PROCESSING MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 17, no. 4, 1 July 2000 (2000-07-01), pages 61-82, XP011089872 ISSN: 1053-5888
- HANG LIU ET AL: "Performance of H.263 Video Transmission over Wireless Channels Using Hybrid ARQ" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE SERVICE CENTER, PISCATAWAY, US, vol. 15, no. 9, 1 December 1997 (1997-12-01), XP011054731 ISSN: 0733-8716