Title (en)

Method, apparatus and system for embedding data in and extracting data from encoded voice code

Title (de)

Verfahren, Vorrichtung und System zur Dateneinbettung in einen und Datenextraktion aus einem kodierten Sprachkode

Title (fr)

Procédé, appareil et système d'insertion de données dans un code vocal codé et d'extraction de données à partir de celui-ci

Publication

EP 1693832 A3 20070620 (EN)

Application

EP 06007029 A 20030203

Priority

- EP 03250682 A 20030203
- JP 2002026958 A 20020204
- JP 2003015538 A 20030124

Abstract (en)

[origin: EP1333424A2] When a voice encoding apparatus embeds any data in encoded voice code, the apparatus determines whether data embedding condition is satisfied using a first element code from among element codes constituting the encoded voice code, and a threshold value. If the data embedding condition is satisfied, the apparatus embeds optional data in the encoded voice code by replacing a second element code with the optional data. When a voice decoding apparatus extracts data that has been embedded in encoded voice code, the apparatus determines whether data embedding condition is satisfied using a first element code from among element codes constituting the encoded voice code, and a threshold value. If the data embedding condition is satisfied, the apparatus determines that optional data has been embedded in the second element code portion of the encoded voice code and extracts this embedded data. <IMAGE>

IPC 8 full level

G10L 25/51 (2013.01); **G10L 19/00** (2013.01); **G10L 19/018** (2013.01)

CPC (source: EP)

G10L 19/018 (2013.01); G10L 19/04 (2013.01)

Citation (search report)

- [A] JP H11296200 A 19991029 - M KEN KK
- [A] EP 1049259 A1 20001102 - KOWA CO [JP]
- [A] EP 1020848 A2 20000719 - LUCENT TECHNOLOGIES INC [US]
- [A] WO 9609708 A2 19960328 - NOKIA MOBILE PHONES LTD [FI], et al

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1333424 A2 20030806; **EP 1333424 A3 20050713**; **EP 1333424 B1 20091209**; CN 100514394 C 20090715; CN 1437169 A 20030820; DE 60330413 D1 20100121; DE 60330716 D1 20100204; EP 1693832 A2 20060823; EP 1693832 A3 20070620; EP 1693832 B1 20091223; JP 2003295879 A 20031015; JP 4330346 B2 20090916

DOCDB simple family (application)

EP 03250682 A 20030203; CN 03102322 A 20030130; DE 60330413 T 20030203; DE 60330716 T 20030203; EP 06007029 A 20030203; JP 2003015538 A 20030124