Title (en)
Encryption of information signals

Title (de)
Verschlüsselung von Informationssignalen

Title (fr)
Cryptage de signaux d'information

Publication
EP 2178235 B1 20111005 (EN)

Application
EP 08390001 A 20081017

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Abstract (en)
[origin: EP2178235A1] The invention relates to techniques for encrypting and decrypting information signals, for example digital voice signals in mobile communications, based on polyphase filter banks. A method embodiment of the invention for encrypting information signals comprises the steps of splitting, based on multiple analysis subband filters, an input information signal into a set of signal subbands; performing an encryption operation on one or more subbands of the set of subbands; and synthesizing, based on multiple synthesis subband filters, the encrypted set of subbands into an output information signal, wherein a particular synthesis filter is the product of all analysis filters except the analysis filter corresponding in subband to the particular synthesis filter.

IPC 8 full level
H04K 1/04 (2006.01)

CPC (source: EP)
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Cited by
US2021288807A1; US11799657B2; KR20180026533A; JP2018524930A

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