

Title (en)
TRANSCODER AND CODER CONVERSION METHOD

Title (de)
TRANSKODER UND KODIERKONVERTIERUNGSVERFAHREN

Title (fr)
TRANSCODEUR ET PROCEDE DE CONVERSION PAR CODEUR

Publication
EP 1564723 B1 20080618 (EN)

Application
EP 03751372 A 20031008

Priority
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Abstract (en)
[origin: EP1564723A1] A two-way conversion transcoder comprising a spectrum parameter calculation circuit (100) that calculates a spectrum parameter for a signal $x(n)$ produced by decoding a first code; a coefficient calculation circuit (130) that receives the spectrum parameter and converts it to the coefficients of a band extended signal, a noise generation circuit (120) that outputs a band-limited noise signal, a gain circuit (140) that multiplies the output signal of the noise generation circuit by a gain, a synthesis filter circuit (170) that receives the output signal from the noise generation circuit (120) and the coefficients from the coefficient calculation circuit (130) and outputs a high frequency signal $y(n)$ for band extension, a sampling frequency conversion circuit (180) that outputs a signal $s(n)$ generated by up-sampling the signal $x(n)$ to a predetermined sampling frequency, an adder (190) that adds up a high-frequency signal $y(n)$ and the signal $s(n)$ to form a band extended signal $z(n)$, and a second encoding circuit (195) that encodes the band extended signal $z(n)$ by a second encoding method and outputs the encoded signal. <IMAGE>

IPC 8 full level
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EP 1564723 A1 20050817; **EP 1564723 A4 20051221**; **EP 1564723 B1 20080618**; AU 2003271119 A1 20040525; CA 2504174 A1 20040513; CN 100498933 C 20090610; CN 1708786 A 20051214; DE 60321712 D1 20080731; HK 1077913 A1 20060224; JP 2004151424 A 20040527; JP 4438280 B2 20100324; KR 100715014 B1 20070509; KR 20050061579 A 20050622; WO 2004040552 A1 20040513

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