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13189368.7 18 October 2013 (18.10.2013) EP(71) Applicant: **FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Hansastrasse 27c, 80686 München (DE).(72) Inventors: **NEUKAM, Christian**; Weissgasse 24, 90562 Kalchreuth (DE). **DISCH, Sascha**; Wilhelmstrasse 70, 90766 Fürth (DE). **NAGEL, Frederik**; Wilhelmshavener Strasse 72, 90425 Nürnberg (DE). **NIEDERMEIER, Andreas**; Ungererstr. 80, 80805 München (DE). **SCHMIDT, Konstantin**; Heerwagenstrasse 21, 90489 Nürnberg (DE). **THOSKHAHNA, Balaji Nagendran**; Gerhart-Hauptmann-Str. 15, 91058 Erlangen (DE).(74) Agents: **ZINKLER, Franz** et al.; P.O. Box 246, 82043 Pullach (DE).

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(54) Title: APPARATUS AND METHOD FOR DECODING AND ENCODING AN AUDIO SIGNAL USING ADAPTIVE SPECTRAL TILE SELECTION

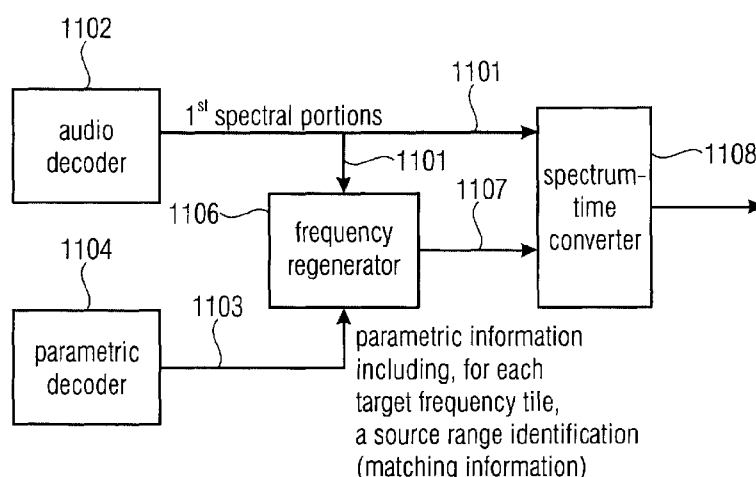


FIG 11A

(57) Abstract: An apparatus for decoding an encoded signal, comprises: an audio decoder (1102) for decoding an encoded representation of a first set of first spectral portions to obtain a decoded first set of first spectral portions (1101); a parametric decoder (1104) for decoding an encoded parametric representation of a second set of second spectral portions to obtain a decoded representation of the parametric representation (1103), wherein the parametric information includes, for each target frequency tile, a source region identification as a matching information; and a frequency regenerator (1106) for regenerating a target frequency tile using a source region from the first set of first spectral portions (1101) identified by the matching information.

