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(54) **Title:** METHOD FOR DETECTING AUDIO SIGNAL BEAT POINTS OF BASS DRUM, AND TERMINAL

(54) 发明名称: 音频信号底鼓节拍点的检测方法以及终端

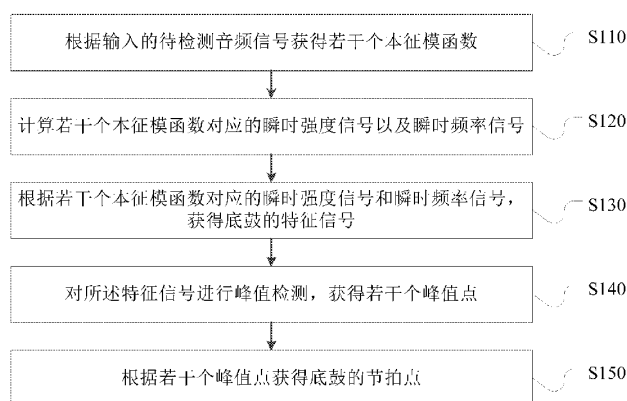


图 1

S110 Obtain several intrinsic mode functions according to an inputted audio signal to be detected
S120 Calculate instantaneous strength signals and instantaneous frequency signals corresponding to the several intrinsic mode functions
S130 Obtain characteristic signals of a bass drum according to the instantaneous strength signals and the instantaneous frequency signals corresponding to the several intrinsic mode functions
S140 Perform peak detection on the characteristic signals, so as to obtain several peak points
S150 Obtain the beat points of the bass drum according to the several peak points

(57) **Abstract:** A method for detecting audio signal beat points of a bass drum, and a terminal. The method comprises: obtaining several intrinsic mode functions according to an inputted audio signal to be detected (S110); calculating instantaneous strength signals and instantaneous frequency signals corresponding to the several intrinsic mode functions (S120); obtaining characteristic signals of a bass drum according to the instantaneous strength signals and the instantaneous frequency signals corresponding to the several intrinsic mode functions (S130); performing peak detection on the characteristic signals, so as to obtain several peak points (S140); and obtaining the

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beat points of the bass drum according to the several peak points (S150). According to the method, the beat points of a bass drum are automatically obtained, thereby achieving high efficiency.

(57) 摘要: 一种音频信号底鼓节拍点的检测方法以及终端, 该方法包括: 根据输入的待检测音频信号获得若干个本征模函数 (S110); 计算若干个本征模函数对应的瞬时强度信号以及瞬时频率信号 (S120); 根据若干个本征模函数对应的瞬时强度信号和瞬时频率信号, 获得底鼓的特征信号 (S130); 对特征信号进行峰值检测, 获得若干个峰值点 (S140); 根据若干个峰值点获得底鼓的节拍点 (S150)。该方法实现了底鼓的节拍点的自动化获取, 效率较高。