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Nishiguchi et al.

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[54] **METHOD AND DEVICE FOR DISCRIMINATING VOICED AND UNVOICED SOUNDS**

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[58] Field of Search 395/2.16, 2.17, 395/2.23

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[57] **ABSTRACT**

A method and a device for discriminating a voiced sound from an unvoiced sound or background noise in speech signals are disclosed. Each block or frame of input speech signals is divided into plural sub-blocks and the standard deviation, effective value or the peak value is detected in a detection unit for detecting statistical characteristics from one sub-block to another. A bias detection unit detects a bias on the time scale of the standard deviation, effective value or the peak value to decide whether the speech signals are voiced or unvoiced from one block to another.

14 Claims, 13 Drawing Sheets

