(54) **MEHOD FOR DEALING WITH RESPIRATORY FLOW DATA, AND COMPUTER THEREOF**

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(57) **ABSTRACT**

A method for dealing with respiratory flow data includes steps of: performing integer processing on original flow data to obtain integer flow data; performing difference processing on the integer flow data to obtain difference flow data, the difference flow data having a plurality of difference values in order, the difference values having zero values, positive values, and negative values; when previous one difference value of the zero difference value or one positive difference value is negative, adding a marker value before the difference value that is zero or positive; when previous one difference value of the negative difference value is zero or positive, adding the marker value before the difference value that is negative; performing absolute value processing on the difference flow values to obtain the absolute values; and encoding the absolute values and the marker values to obtain encode flow data. A system using the method is also provided.

Integer processing on original flow data to obtain integer flow data — S102

performing difference processing on the integer flow data to obtain difference flow data — S104

Adding marker value before the difference value that is zero or positive when previous the difference value of the zero difference value or the difference positive difference value is negative; or adding a marker value before the difference value that is negative when previous one difference value of the negative difference value is zero or positive — S106

Performing absolute operation on the difference values — S108

Encoding the absolute values and the marker values to obtain encode flow data. — S110