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(54) **DEVICE FOR SUPPORTING RESPIRATION**

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(58) **Field of Search** 128/205.12, 205.29, 128/205.27, 206.17, 206.21, 206.28, 204.18, 204.21, 204.22, 204.23, 204.26

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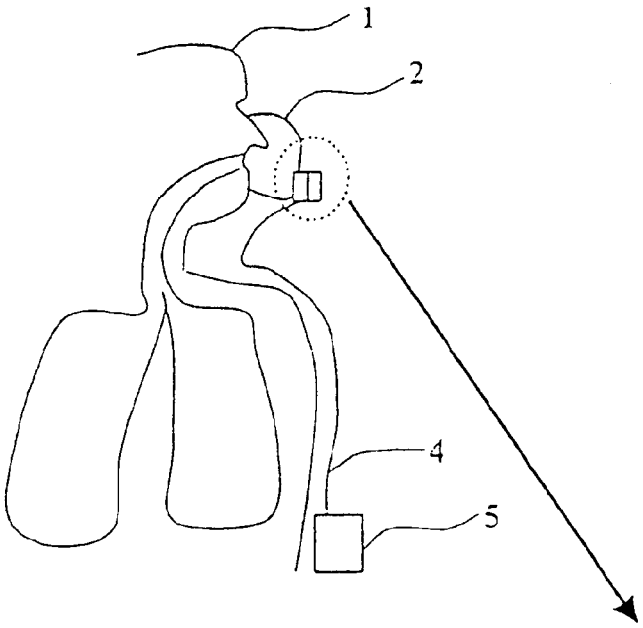
(57) **ABSTRACT**

A compact device for supporting respiration is provided making possible a mobile, autonomous, pressure-supported respiration of patients near the lungs with very small dead spaces and flow resistances. The device is especially useful for medical applications. The device includes a rotary compressor (**3**) with an electric drive motor provided with a filter (**7**) arranged directly upstream in the direction of flow. The compressor (**3**) is arranged directly upstream of a breathing mask (**2**) or a breathing tube. A control unit (**6**) is provided for setting respiration pressure on a basis of speed of rotation. The control unit (**6**) is connected to the drive motor of the compressor (**3**).

25 Claims, 1 Drawing Sheet