**[0115]** FIG. **9**A shows a shape example of a flow-out port Q**5** as a modification example (No. 4) and FIG. **9**B is a cross-section view thereof taken along an arrow of X**5**-X**5** shown in FIG. **9**A. The flow-out port Q**5** shown in FIG. **9**A has many holes which are dispersed. The flow-out port Q**5** is constituted by including, for example, a small hole at a center region, a plurality of radially arranged holes on the concentric circle thereof and, a plurality of further radially arranged holes in the periphery thereof. It should be noted that as shown in FIG. **9**B, they are set such that the aperture diameter of the outside hole becomes larger than the aperture diameter of the inside hole. In this embodiment, it is possible to obtain a unique sense of touch by a mass of air blown out of the flow-out port Q**5** in the plural dispersing manner as compared with a mass of air blown out of the base flow-out port Q**1** in a single manner.

**[0116]** FIG. **10**A shows a shape example of a flow-out port Q**6** as a modification example (No. 5) and FIG. **10**B is a cross-section view thereof taken along an arrow of X**6**-X**6** shown in FIG. **10**A. The flow-out port Q**6** shown in FIG. **10**A has a single hole which has a conical shaped inner section. In this embodiment, it is possible to obtain a unique sense of touch by a mass of air blown out of the flow-out port Q**6** at high speed as compared with a mass of air blown out of the base flow-out port Q**1** in a single manner.

**[0117]** FIG. **11**A shows a shape example of a flow-out port Q**7** as a modification example (No. 6) and FIG. **11**B is a cross-section view thereof taken along an arrow of X**7**-X**7** shown in FIG. **11**A. The flow-out port Q**7** shown in FIG. **11**A has a single hole which has a reverse dish shaped inner section. In this embodiment, it is possible to obtain a unique sense of touch by the raised base member **1** in addition to a mass of air blown out of the flow-out port Q**7** at high speed as compared with a mass of air blown out of the base flow-out port Q**1** in a single manner.

**[0118]** FIG. **12**A shows a shape example of a flow-out port Q**8** as a modification example (No. 7) and FIG. **12**B is a cross-section view thereof taken along an arrow of X**8**-X**8** shown in FIG. **12**A. The flow-out port Q**8** shown in FIG. **12**A has a shape of circular arcs. A center member C**1** is engaged and supported to the base member **1** by beam portions. The aperture p**1** or the like is formed by perforating it in the base member **1** shown in FIG. **12**B. In this embodiment, it is possible to obtain a unique sense of touch by a mass of air blown out of the flow-out port Q**8** in the circular shape as compared with a mass of air blown out of the base flow-out port Q**1** in a single manner.

**[0119]** FIG. **13**A shows a shape example of a flow-out port Q**9** as a modification example (No. 8) and FIG. **13**B is a cross-section view thereof taken along an arrow of X**9**-X**9** shown in FIG. **13**A. The flow-out port Q**9** shown in FIG. **13**A has many holes which are arranged as being a circle. The aperture p**1** or the like is formed by perforating a plurality of small holes in the base member **1** shown in FIG. **13**B. In this embodiment, it is possible to obtain a unique sense of touch by a plurality of masses of air blown out of the flow-out port Q**9** as the circle as compared with a mass of air blown out from the base flow-out port Q**1** in a single manner.

**[0120]** In this manner, according to the touch-sensitive sheet member **100** as the first embodiment, the flow channel panel **2** is provided which introduces the air to twenty four apertures p**1** to p**24** perforated in the base member **1** and the blower **3***b* utilizing the piezoelectric device is used as the air-circulation unit **3** and is connected to the flow channel panel **2** so that the blower **3***b* sends the air to the apertures p**1** to p**24** of the base member **1** through the flow channel panel **2** for every group.

**[0121]** Consequently, even if the surface of the base member **1** is observed to be a flat shape, when the operator's hand (finger) touches the surface thereof actually and slides from the base member **1** to the apertures p**1** or the like for representing a sense of touch, in the predetermined position of the base member **1**, the apertures p**1** to p**24** can represent the sense of touch which gives the concave and convex touch feeling by the air blown out of the apertures p**1** to p**24** with respect to the operator's finger or the like (operation body). Such a touch-sensitive sheet member **100** may be applied to a programmable nonskid sheet at the grip portion of various kinds of electronic apparatus housing, a programmable touch-sensitive input sheet for icon touch in an input device or the like. Thus, it becomes possible to provide the input device including the programmable touch-sensitive input sheet.

## Embodiment 2

**[0122]** FIGS. **14**A and **14**B show a configuration of a touch-sensitive sheet member **200** as a second embodiment. In this embodiment, the sense-of-touch-representing unit contains bag portions q**1** to q**24** for representing a sense of touch, each bag portion having a predetermined size and being arranged at a predetermined position of a base member **11**.

**[0123]** The touch-sensitive sheet member **200** shown in FIG. **14**A is applicable to an input device which is mounted on an electronic apparatus such as a digital camera, a video camera, a mobile phone, a mobile terminal device, a desk-top type PC, a note type PC, an automatic teller machine or the like. The touch-sensitive sheet member **200** includes the base member **11**, the flow channel panel **2** and the air-circulation unit **3**.

**[0124]** The air-circulation unit **3** constitutes the medium-supplying unit and operates such that the air is sent to the bag portions q**1** to q**24** (only q**5**, q**8**, q**10** are shown in FIG. **14**A). In this embodiment, the air-circulation unit **3** has a programmable function for sending the air to the plurality of bag portions q**1** to q**24** arranged in the base member **11** individually or for every group. In this embodiment, the flow channel panel **2** which introduces the air to the plurality of bag portions q**1** to q**24** arranged in the base member **11** is also provided. The air-circulation unit **3** contains a blower **3***b* (air pressure generator) utilizing a piezoelectric device.

**[0125]** The blower **3***b* is connected to the flow channel panel **2** through a flow channel changeover unit **3***a* shown in the FIG. **14**B. The blower **3***b* sends compressed air to the plurality of bag portions q**1** to q**24** in the base member **11** by dividing those into two groups through the flow channel panel **2**. It should be noted that in this embodiment, the members having the same name and numeral as those used in the first embodiment have also the same function, so that the explanation thereof will be omitted.

**[0126]** In the above-mentioned embodiment, when the valve body **304** is opened through the driving unit **3***c*, the air supplied from the blower **3***b* is introduced to the bag portions q**1** to q**3** (not shown in drawings), the bag portions q**4** to q**12** and the bag portions q**13** to q**17** (not shown in drawings) by passing through the air-exhaust port **306** and the flow channel **2***a*. Also, when the valve body **305** is opened, the air supplied from the blower **3***b* is introduced to the bag portions q**18**, q**19**,