longitudinal direction of the lattice structure coupling body 101.

[0168] As shown in FIG. 31, FIG. 33 and FIG. 34, the plurality of counterpart inclined pipes 60 in the counterpart lattice structure 16B include two counterpart inclined pipes 60 (first counterpart inclined pipe 601 and second counterpart inclined pipe 602) which are connected to one counterpart connector 80C out of two counterpart connectors 80C, and two counterpart inclined pipes 60 (first counterpart inclined pipe 601 and second counterpart inclined pipe 602) connected to the other counterpart connector 80C. The two counterpart inclined pipes 60 (first counterpart inclined pipe 601 and second counterpart inclined pipe 602) are connected to the inclined pipe connecting portions 83 of one counterpart connector 80C. Specifically, as shown in FIG. 34, the inclined pipe connecting portions 83 of the counterpart connector 80C include a first connecting portion 83A and a second connecting portion 83B. The first connecting portion 83A is a portion to which one end portion of the first counterpart inclined pipe 601 extending in a first counterpart inclined direction D31 out of the two counterpart inclined pipes 601, 602 is connected, and the second connecting portion 83B is a portion to which one end portion of the second counterpart inclined pipe 602 extending in a second counterpart inclined direction D32 out of the two counterpart inclined pipes 601, 602 is connected.

[0169] A first counterpart plane parallel to a main direction D in which the counterpart main pipe 50 connected to the connector 80C extends and the first counterpart inclined direction D31 intersects with a second counterpart plane parallel to the main direction D and the second counterpart inclined direction D32. Specifically, in the fourth embodiment, the first counterpart plane is orthogonal to the second counterpart plane. In the connector 80C, the relative positions of the first connecting portion 83A and the second connecting portion 83B are set such that the first counterpart plane is orthogonal to the second counterpart plane.

[0170] One end portion of the first counterpart inclined pipe 601 connected to the first connecting portion 83A is connected to the second counterpart main pipe 502 by way of the connector 80C. One end portion of the second counterpart inclined pipe 602 connected to the second connecting portion 83B is connected to the second counterpart main pipe 502 by way of the connector 80C. The other end portion of the first counterpart inclined pipe 601 connected to the first connecting portion 83A is connected to the first counterpart main pipe 501 which is one of two main pipes 501, 503 adjacent to the second counterpart main pipe 502 connected to the counterpart connector 80. The other end portion of the second counterpart inclined pipe 602 connected to the second connecting portion 83B is connected to the third counterpart main pipe 503 which is the other of two main pipes 501, 503 adjacent to the second counterpart main pipe 502 connected to the counterpart connector 80.

[0171] Both the first counterpart inclined pipe 601 and the second counterpart inclined pipe 602 in the counterpart lattice structure 16B extend from the counterpart connector 80 toward a side opposite to the lattice structure 16C in a longitudinal direction of the lattice structure coupling body 101.