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Abstract amended
by Examiner.

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ABSTRACT

JOINT ASSEMBLY WITH MULTIPLE DEGREES OF ROTATIONAL FREEDOM

According to the objects of the present invention, there is provided a simple yet versatile joint assembly that offers multiple degrees of rotational freedom to objects attached to opposing sides of the joint. This joint is provided with a cross-shaped attachment member with the first and second arm both having cylindrical ends. A first and a second bracket each with two holes, are rotatably attached to the ends of the first and second arms respectively by fastening members. When the fastening members are not tightly fastened, rotational movements via the longitudinal axes of the respective arms are allowed for the respective brackets. As the two arms are perpendicularly disposed, there are provided two degrees of rotational freedom for an object attached to the first bracket in relation to a second object attached to the second bracket. For a third degree of freedom, one embodiment provides an additional rotating means which can be attached to one of the brackets.

FIGURE 2