



**United States Patent** [19]  
**Sabbaghian et al.**

[11] **Patent Number:** **5,918,511**  
[45] **Date of Patent:** **Jul. 6, 1999**

- [54] **ADJUSTABLE SOCKET WRENCH**
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Mechanical College**, Baton Rouge, La.

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*Primary Examiner*—James G. Smith  
*Attorney, Agent, or Firm*—Roy, Kiesel & Tucker

- [21] Appl. No.: **08/919,995**
- [22] Filed: **Aug. 28, 1997**
- [51] **Int. Cl.<sup>6</sup>** ..... **B25B 13/12**
- [52] **U.S. Cl.** ..... **81/128; 81/129**
- [58] **Field of Search** ..... 87/128, 129

[57] **ABSTRACT**

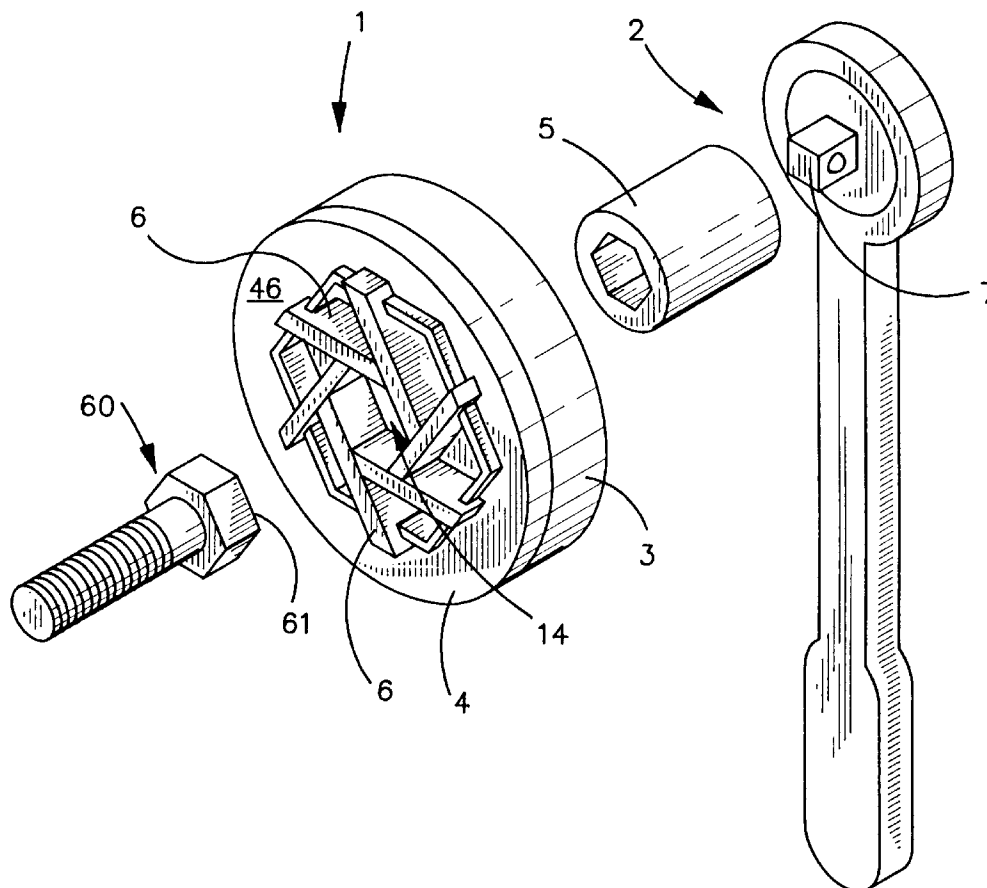
The present invention provides an adjustable socket for a socket wrench. In a preferred embodiment, the adjustable socket comprises a base plate and a collar plate rotatably attached to the base plate. The collar plate has a central opening formed by a plurality of internal sidewalls and there are movably positioned inside the central opening a plurality of gripping members. Each of the gripping members has a contacting surface which cumulatively define a gripping region. Furthermore, each of the gripping members is connected to the base plate and has a first end adapted to engage one of the internal sidewalls such that relative rotation of the base plate and the collar plate adjusts the gripping region.

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**21 Claims, 5 Drawing Sheets**



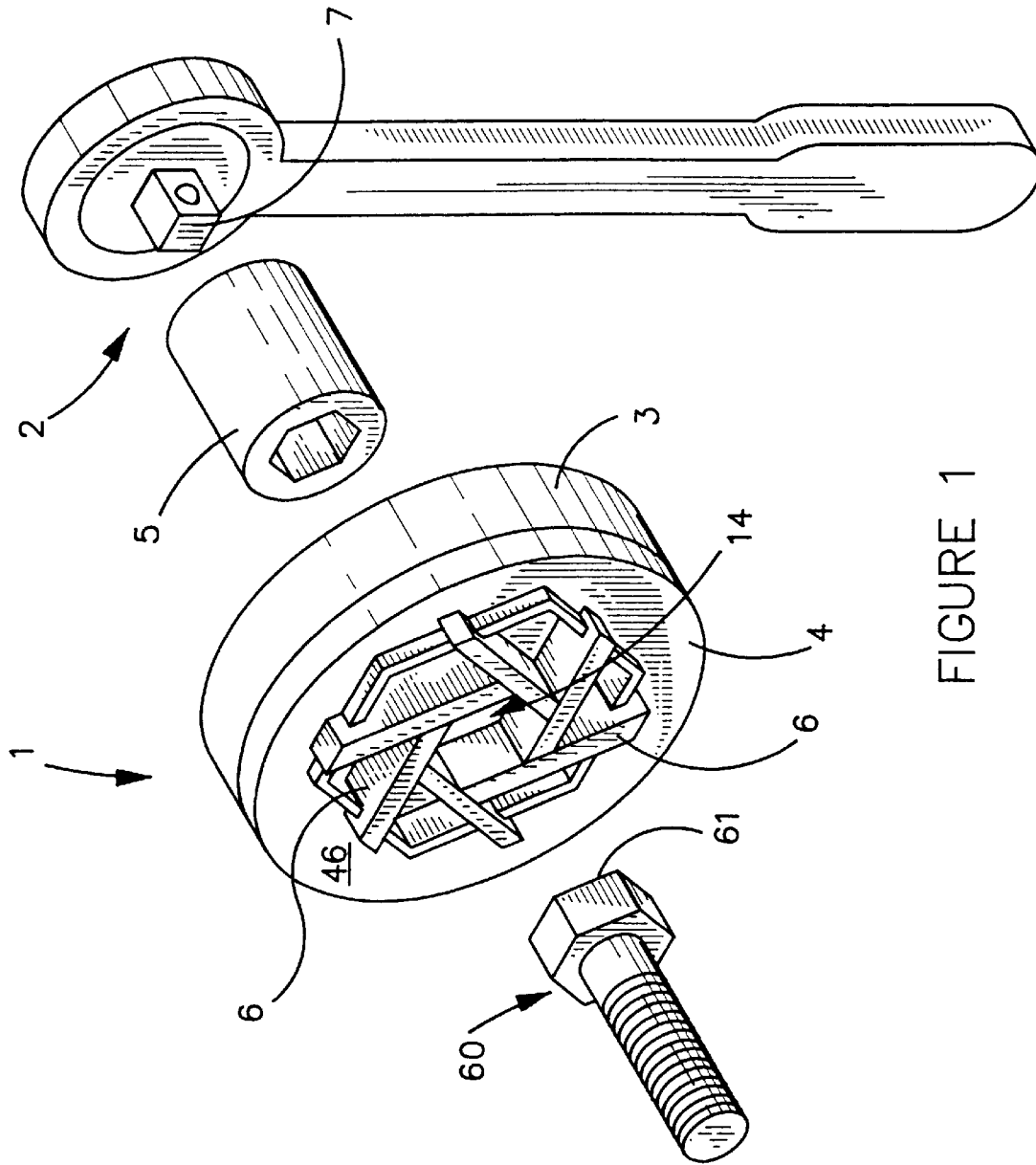


FIGURE 1

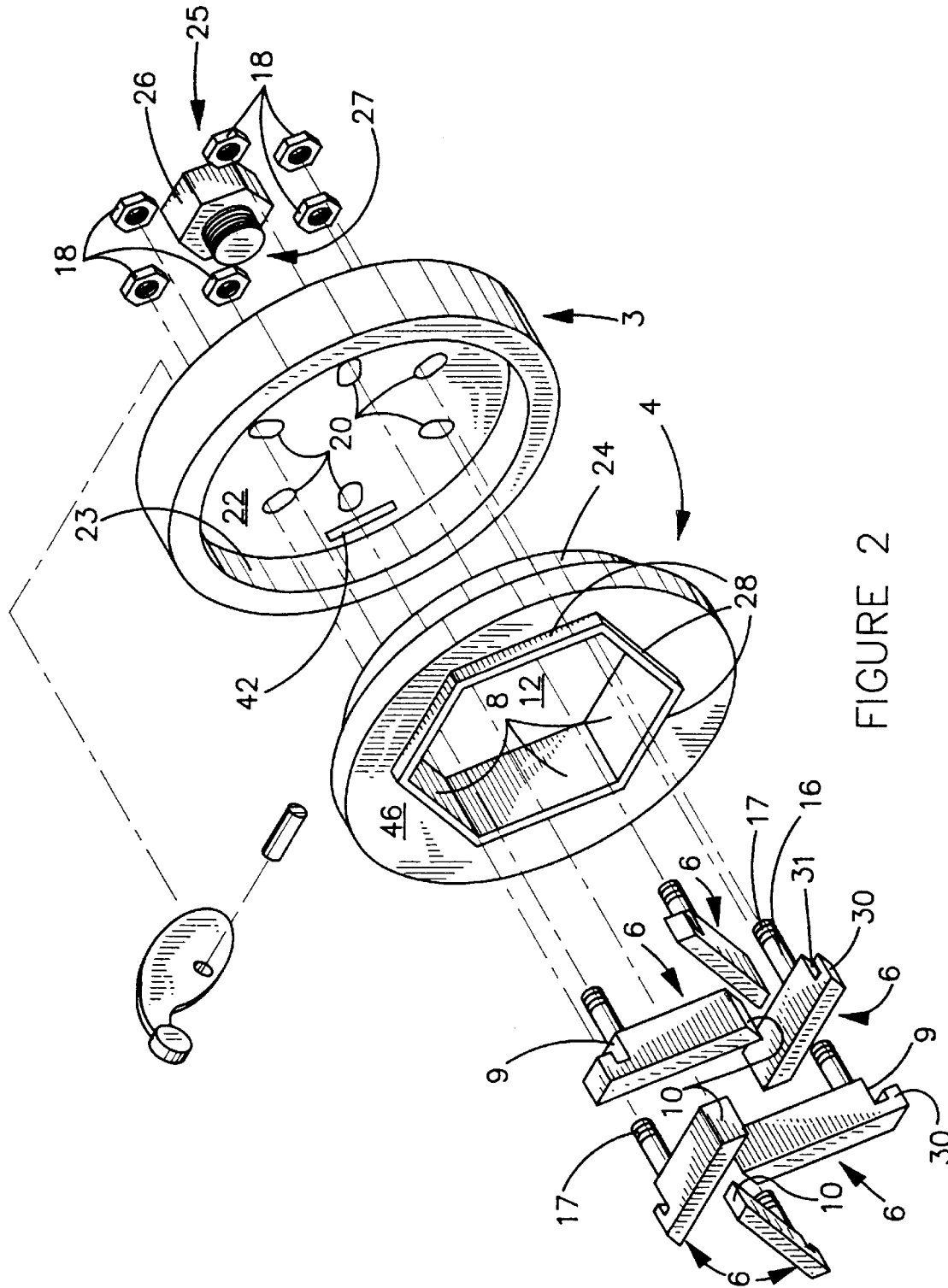


FIGURE 2

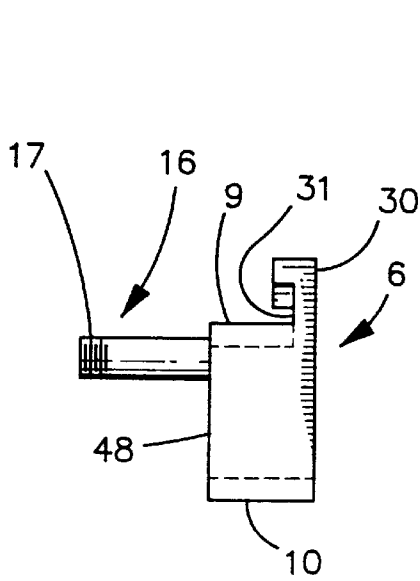


FIGURE 6

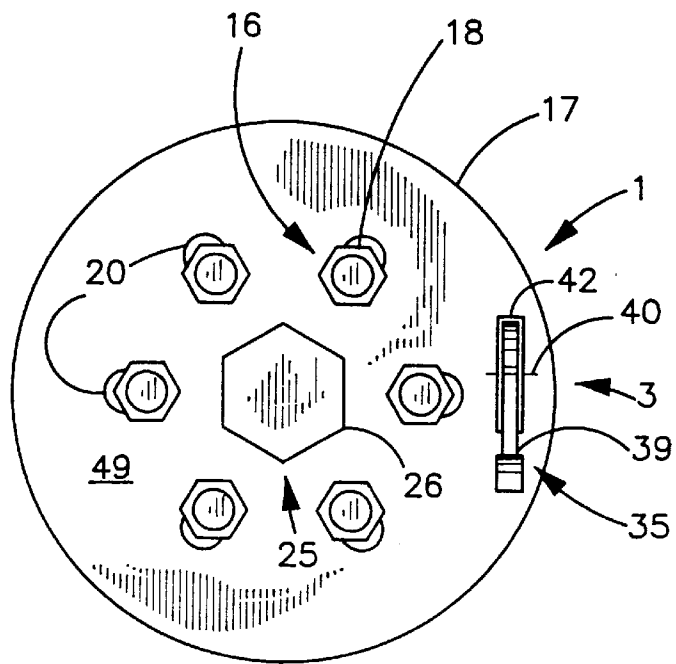


FIGURE 5

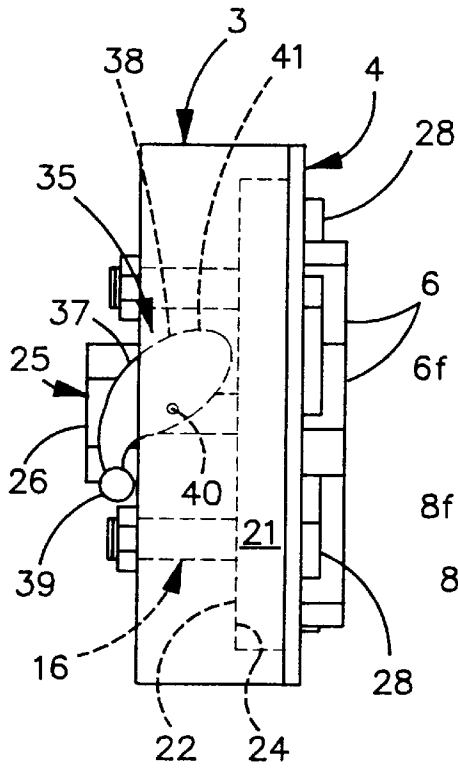


FIGURE 4

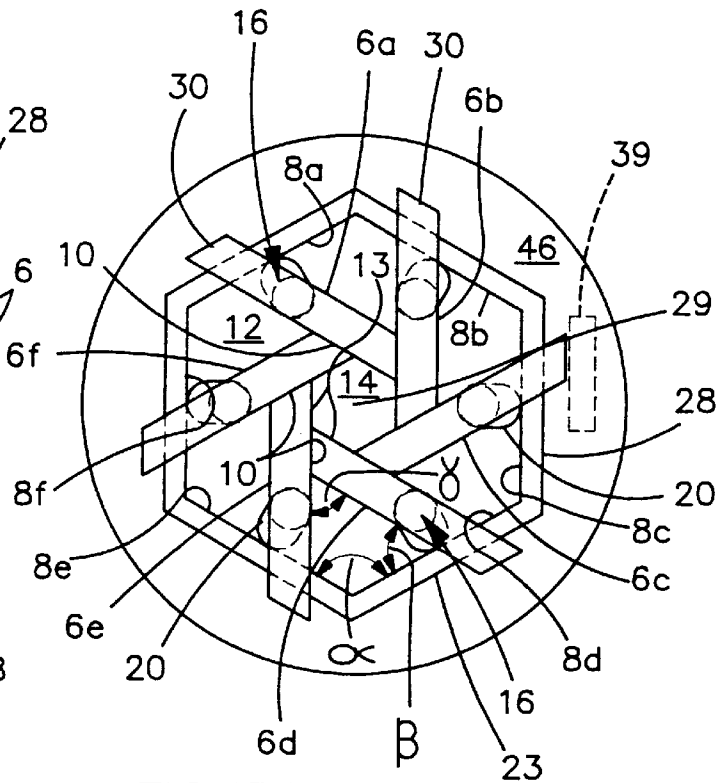


FIGURE 3

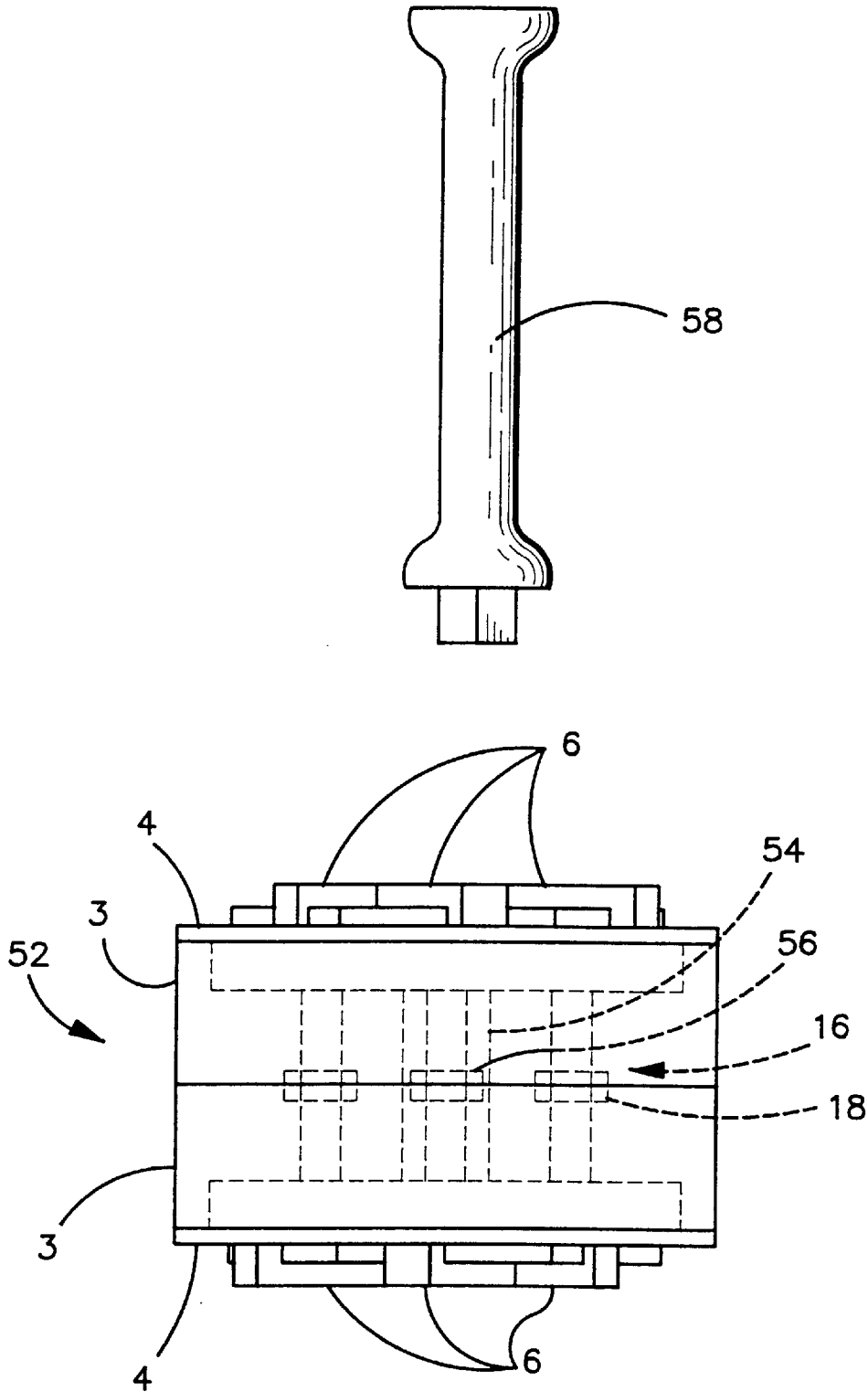


FIGURE 7

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