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(54) **LANCING DEVICE FOR MINIMIZING PAIN**

**Publication Classification**

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**A61B 17/34** (2006.01)

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(57) **ABSTRACT**

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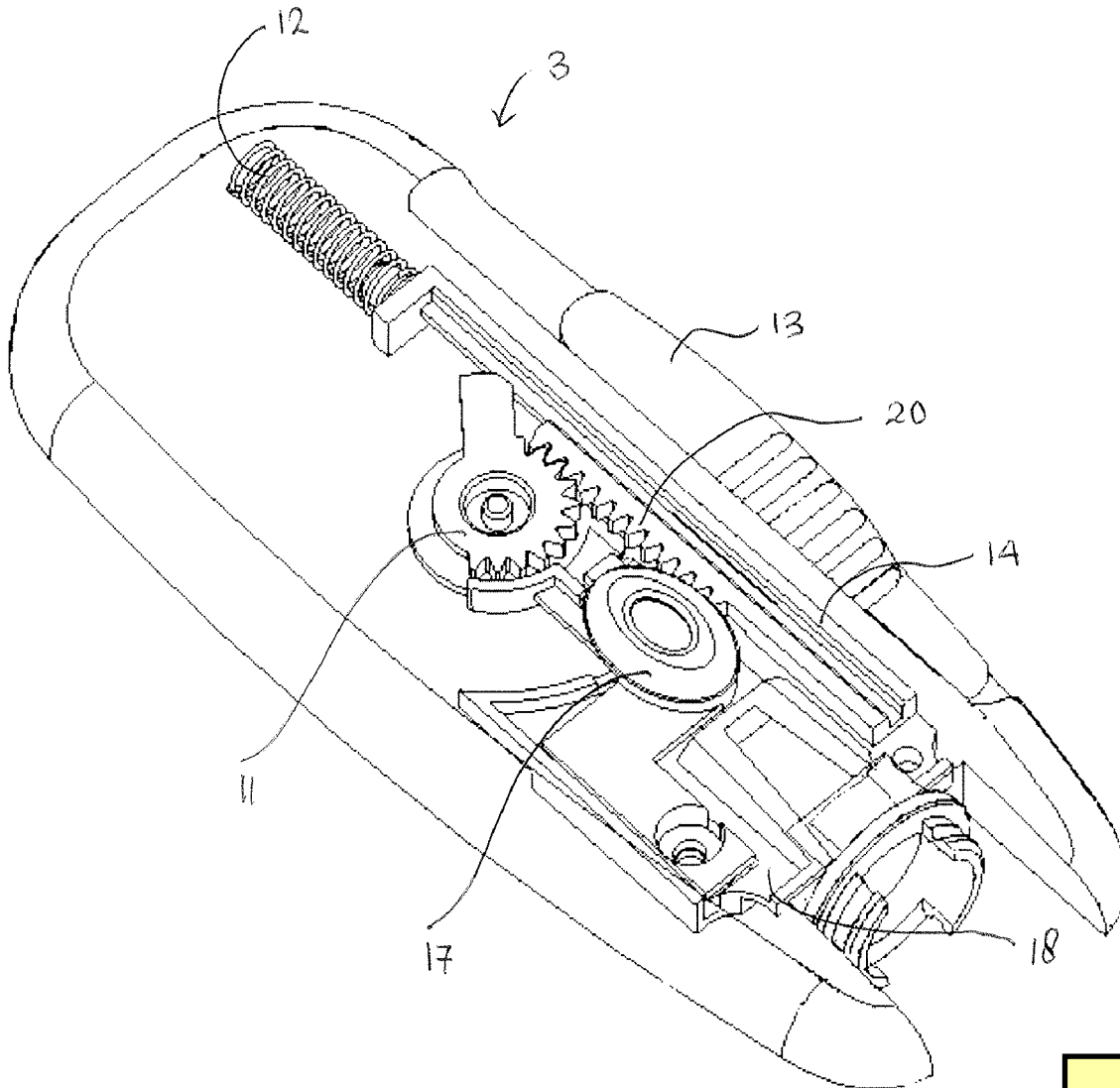
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The present invention provides a lancing device designed for minimizing pain to the user, comprising a probe with cam profile responsible for controlling the lancet speed such that the lancet enters the skin relatively fast, decelerates smoothly and gradually to zero velocity at maximum depth of penetration and retracts slowly and controllably. The housing of the lancet comprises of leaf springs and set of guides for minimizing or eliminating pitching or vibration of the lancet during lancing, hence reducing the pain experienced by the user. The lancing device is further equipped with a gear-damper system for minimizing or eliminating noise produced during lancing process.

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(21) Appl. No.: **12/327,817**

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**DEXCOM**  
**EXHIBIT 1009**

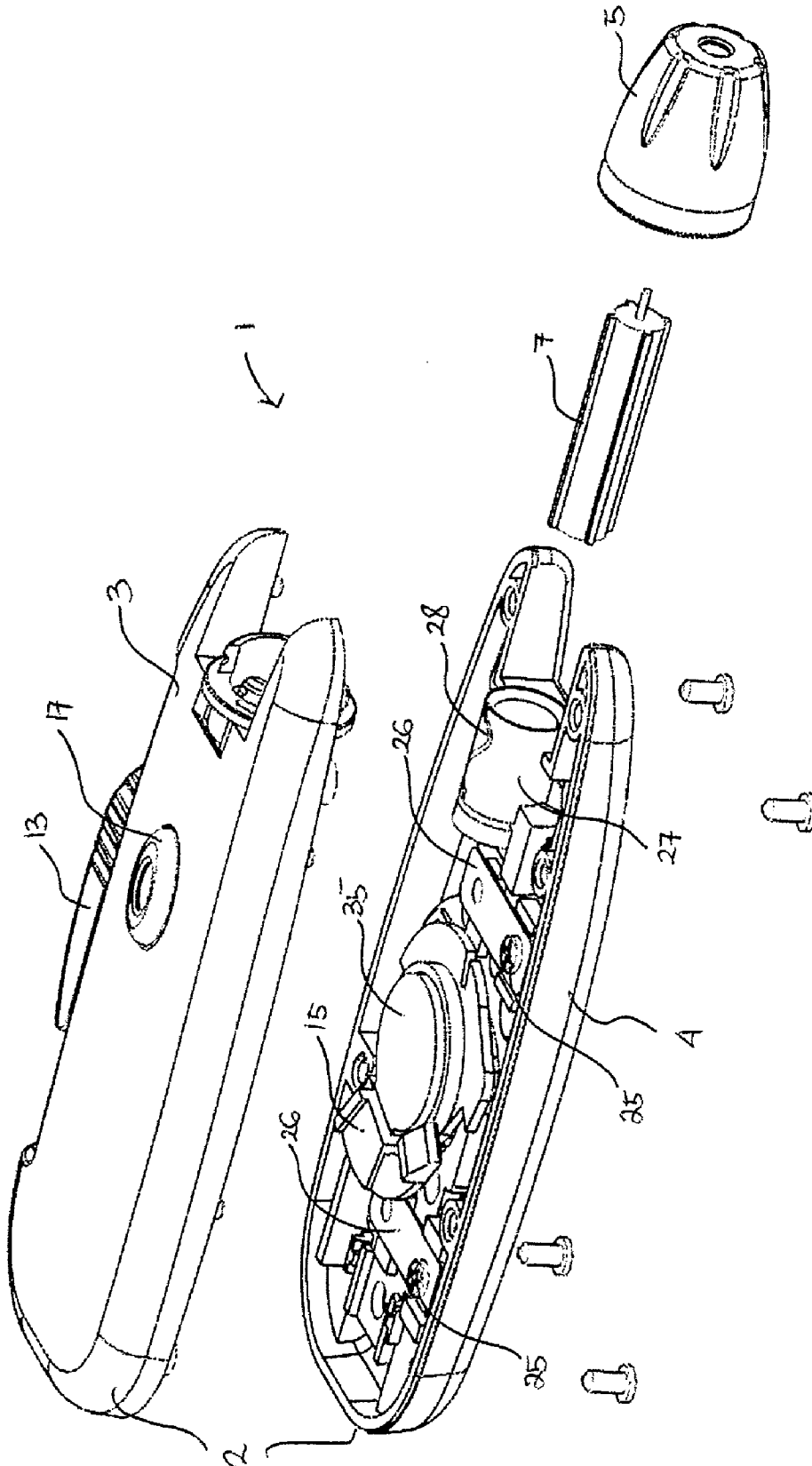


FIG. 1

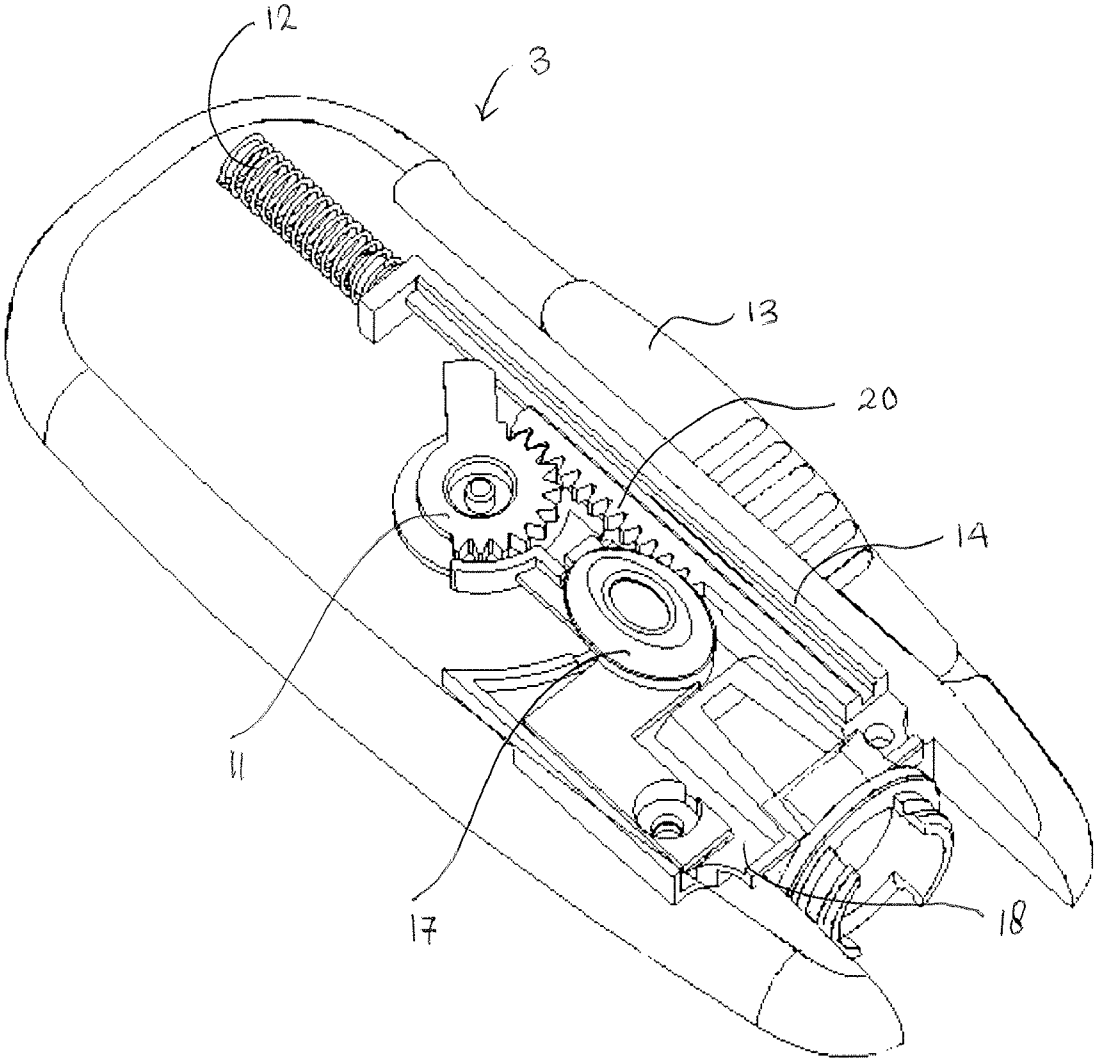


FIG. 2

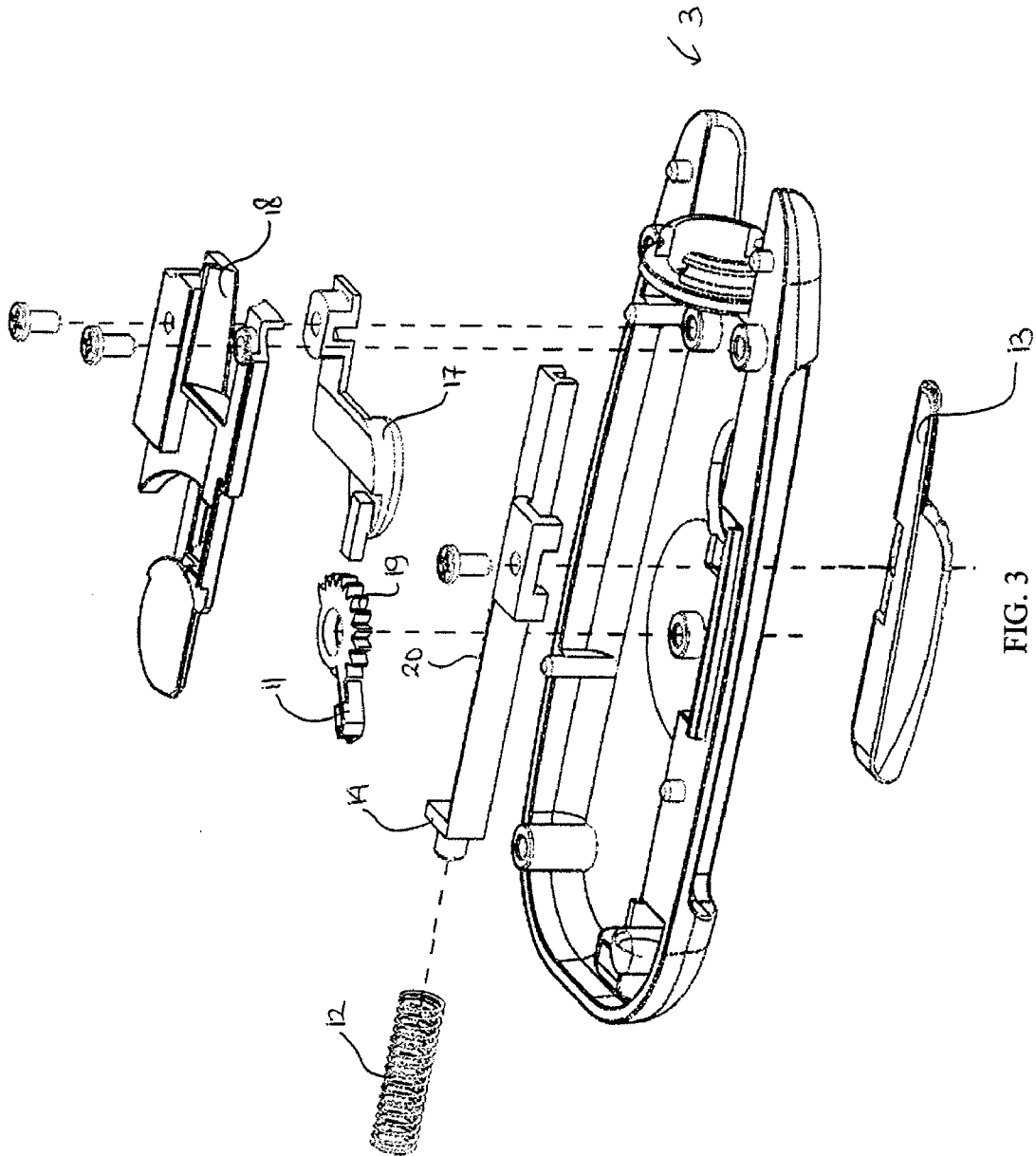


FIG. 3

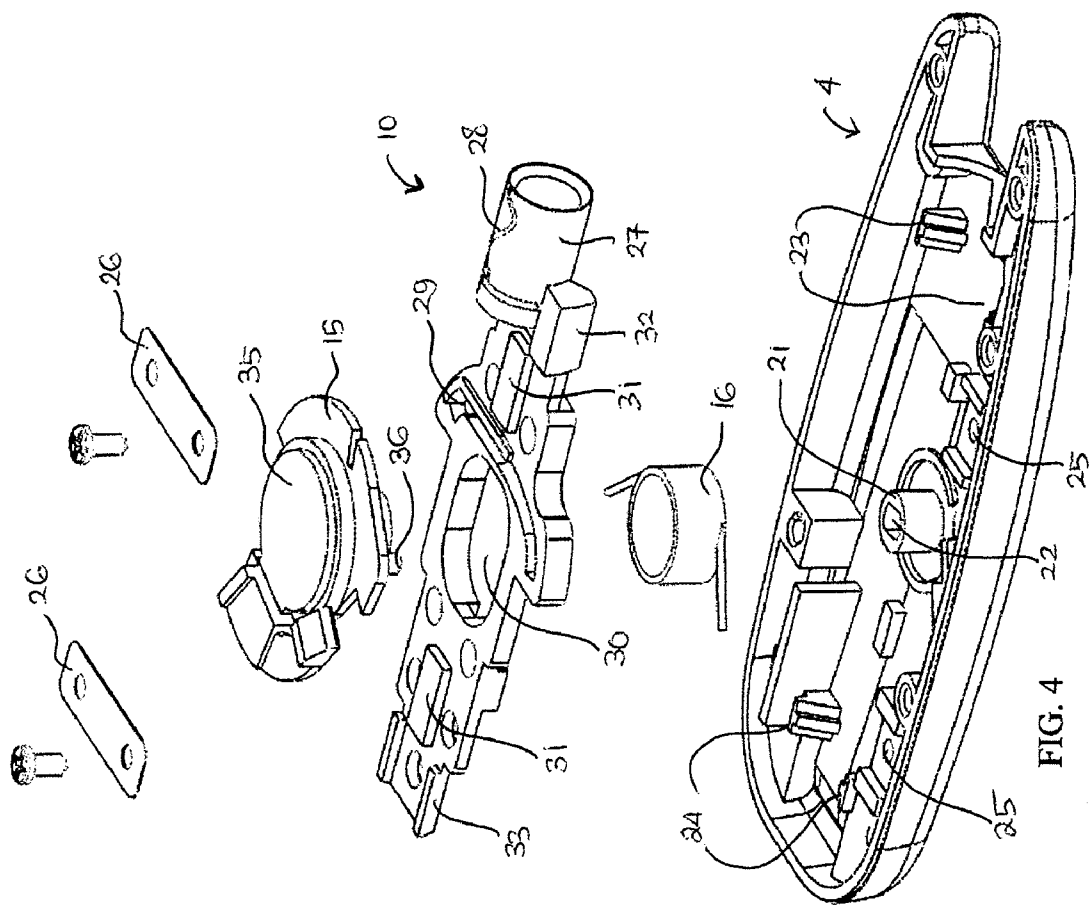


FIG. 4

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