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(57) Abstract :

A hand relief smart threader tool 100 including a housing 102 , where a first end of the housing 102 includes a first opening adapted to receive a needle 202 having a thread engaging means 204, a conduit 104 at least partially disposed at a first predetermined position in the housing 102, and adapted to facilitate insertion of a thread inside the housing 102 and a sensor 106 configured with an alert unit 108, and positioned at a second predetermined position, where the sensor 106 is configured to detect alignment of a second opening of the conduit 104 with the thread engaging means 204 of the needle 202 being at least partially moved inside the housing 102, and correspondingly generate a first set of signals, and where the alert unit 108 is configured to generate a set of alert signals based on the received first set of signals.

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