

LAPAROSCOPIC SURGICAL INSTRUMENT

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The present invention relates to a laparoscopic surgical instrument which deals with a hand-held instrument equipped with a highly dexterous extremity, making the execution of very precise surgical intervention as in the robotic system while keeping very low costs as for all the hand-held surgical instrument.

Protection: International

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INVENTION

The invention deals with a new cheap hand-held surgical instrument equipped with a highly dexterous extremity, and disposable. This kind of hand-held instruments merges the advantages of both robotic systems (dexterous extremity) and hand-held surgical instruments (low cost) making the execution of very precise surgical intervention possible while keeping very low costs.

ADVANTAGES

- High-performance tools that facilitate the surgeon's work, as compared to lower costs
- Possibility of building many parts of the tool by plastic and flexure hinges;
- Significant reduction of the clamp/scissor size;
- Disposable;
- Applicable to both hand-held surgery and robotic remote control.

CONTACTS

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APPLICATIONS

Tool to perform any laparoscopy surgery both manual and with a remote control robotic system by the surgeon.



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