



RUS-1

Research and Design of the “Flapping Wing” Super Miniature Stealth Unmanned Aerial Robot in Implementing Decapitation Strike

JinsiDai, JishenGuo, XinLiu *Nation University of Defense*

Technology, China, 254014319@qq.com, liuliming19931014@163.com, 514805236@qq.com

Supervisor: HuimingLu, Professor

College of Mechanical and Electrical Engineering and Automation, China, lhmnew@nudt.edu.cn

Super miniature unmanned aircraft is a kind of new concept weapon, which will result “imbalance of war scale” in the future battlefield. once this kind of micro robot was applied to close distance “decapitation” ,its military and political role and operational effectiveness will be incalculable .In this paper ,the micro-electromechanical technology, nanotechnology ,computer technology and other technical groups of current development situation was researched ,trying to use the existing technology optimizing the energy system ,power system, sensor system and flight control system to design a super miniature stealth unmanned aerial robot dedicated to implementation of “decapitation strike”.