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PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**(PROF. (DR) UNNAT P. PANDIT)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

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(54) Title of the invention : SURGICAL INSTRUMENT FOR ATRAUMATIC HANDLING AND EXTRACTION OF CLOTS FROM BLOOD VESSELS

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(57) Abstract :
 The present invention relates to a surgical instrument designed for atraumatic handling and extraction of clots from blood vessels, particularly in vascular and microvascular procedures. The instrument comprises a pair of ergonomically designed handles connected by a spring mechanism that maintains the jaws in an open position. Angled shanks extend from the handles, terminating in specialized atraumatic jaws. Each jaw includes a proximal metallic spherical bulb, a metallic arm encased in a cylindrical silicone sleeve, and a distal atraumatic spherical tip of approximately 5 mm diameter. The jaws are configured to maintain a residual internal clearance gap when closed, ensuring safe engagement with delicate vessels while enabling precise clot manipulation without causing vascular trauma. Figure 1

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