

Finger-activated Switch for Electrocautery Forceps

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Overview

- Problem Statement
- Background
- Key Constraints
- Alternatives Considered
- Table of Pros/Cons
- Design Chosen
- Future of Project

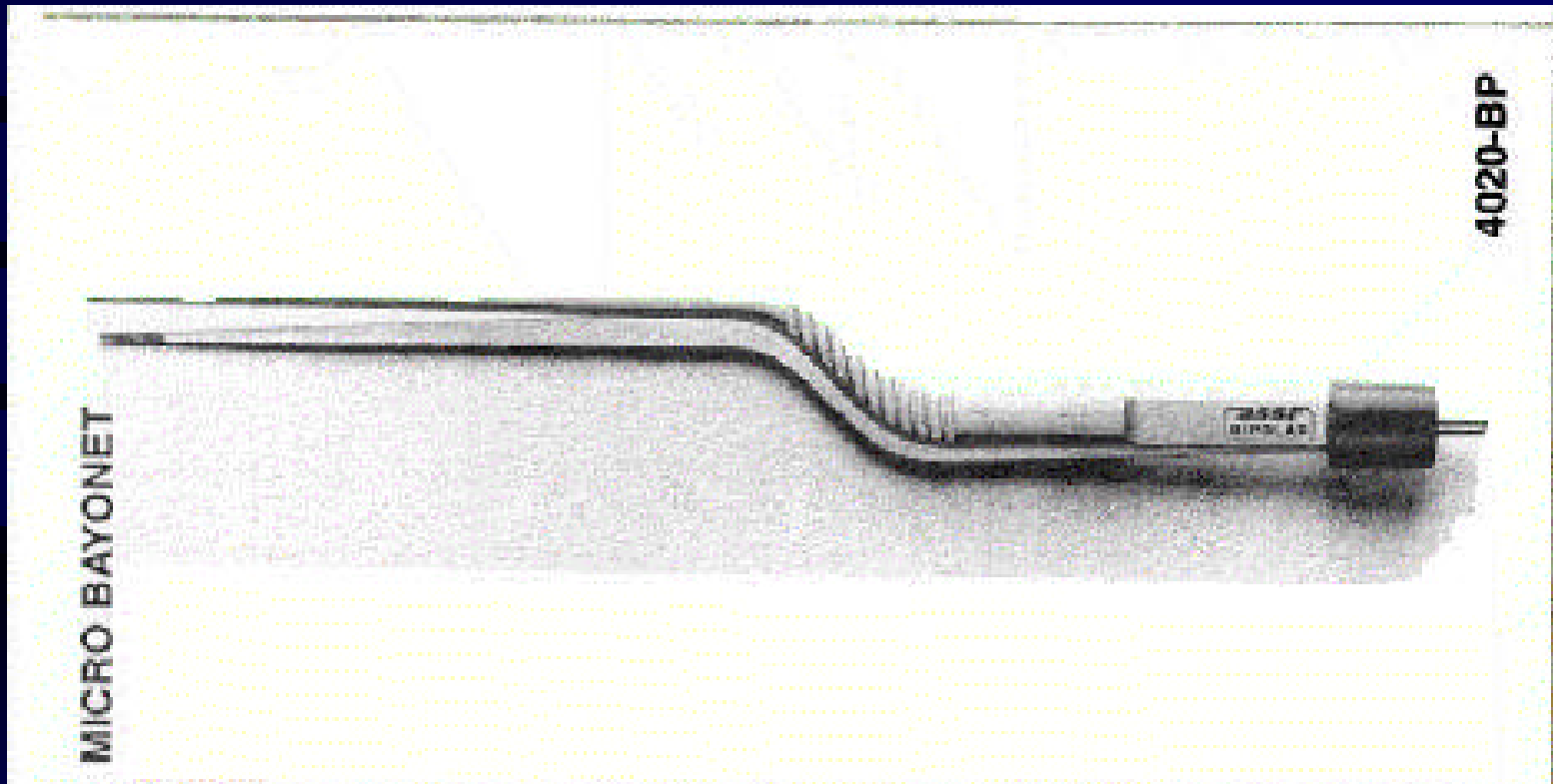
Problem Statement

- Initial Statement from Client
- Revised Statement

Background Information

- Neurosurgery
- Electrocautery/Electrosurgery
- Currently Used Device
- Other Preexisting Designs

Forceps Currently in Use



Key Constraints

- Physical Specifications
- Operational Constraints
- Multifunctionability
- Convenience for Surgeon
- Safety
- Cost?

Design Alternatives

- Fingertip Button
- Sliding Button
- Push Button

Fingertip Button

Sliding Button

Push Button

PROS/CONS

	Ease of Use	Safety	Simplicity to Design	Accuracy/Reliability	Button Placement	Cost
Fingertip Button	+	--	--	+	+	?
Sliding Button	--	+	--	+	--	?
Push Button	+	+	+	+	+	?

Future of Project

- Information Needed
- Potential Problems
- Concerns
- Project Goals

QUESTIONS

