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Subject to Protective Order - Williams v. Remington



ETE00025712



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Project Design Objectives

- Design Requirements
 - Positive return of trigger to at least 75% of full engagement when safety is in SAFE position
 - Safety must not return to SAFE position if return of trigger to 75% of full engagement is not possible
 - Block trigger when safety is in SAFE position
 - Fit into a M700 action
- Optional Features (Nice to Have)
 - Block both trigger and sear with safety in SAFE position
 - Corrosion resistant construction
 - No or minimal lubrication required
 - Tamper resistant
 - Same or fewer parts than current trigger assembly
 - Improved performance characteristics
 - Design portable to M710

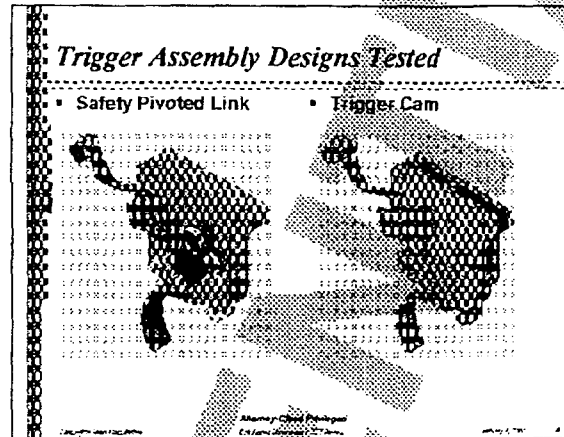
Approved for Release

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Design Selection for DAT

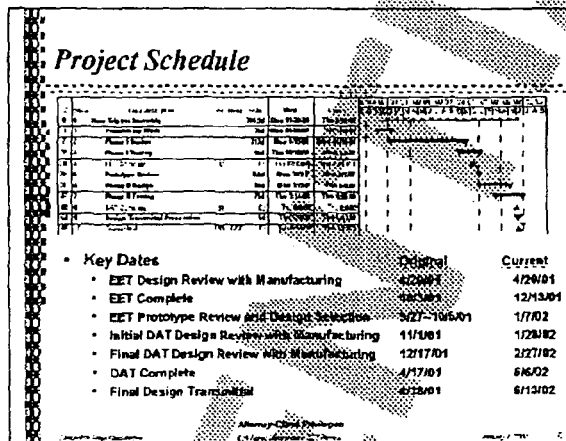
▪ Safety Pivoted Link Design

- Meets all primary and "nice to have" design objectives
- Drops into all stocks except HS Precision without stock modification
- Easier to assemble and make settings – similar to current methods
- Controls trigger blocking means at all times
- More consistent safety operating forces
- Easier to service
- Requires less capital tooling to produce LK version

Marking: David P. Williams
L. A. New, 10/10/00, 10/10/00

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Issues

- Adjustment Limits and Customer Adjustability
- Plan for Intellectual Property Protection
- Production Engineering Support for:
 - Design Reviews
 - Process Definition and Selection
 - Risk Management
 - Manuals
- Service Support for:
 - Design Reviews
 - Support Plan
- Test Firearms and Ammo Availability
- Rollout Plan

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