



[Design Objectives]

- Design a less expensive alternative to the X-Mark Pro for the Model 770
 - Block trigger when gun is in safe
 - Remove the connector
 - Balance trigger

August 19, 2007 Kinzer v. Remington-AMMCO

[Design Approach]

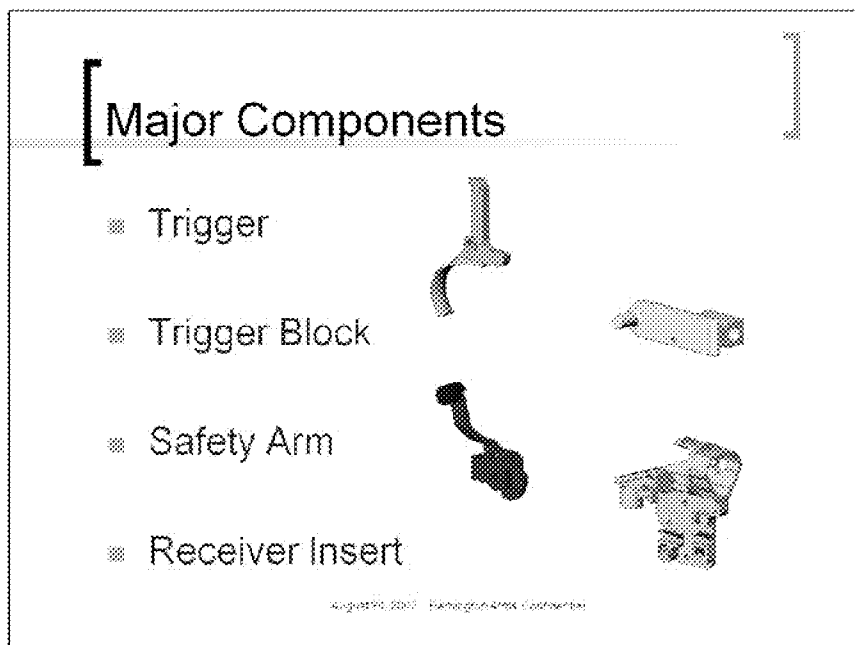
- Add as few new parts as possible
 - Total part count is unchanged
- Keep the current plastic receiver insert with modifications
- Utilize a proven safety design
 - X-Mark Pro safety arm
- Provide an adjustable, translating trigger block

August 19, 2017 Remington-Anderson (AR)

[Part Breakdown]

- New Parts
 - Trigger Block
 - Trigger Block Screw
- Modified or Substituted Parts
 - Receiver Insert
 - Side Plate
 - Trigger
 - Safety Arm (possibly X-Mark Pro)
 - Safety Detent Spring (possibly X-Mark Pro)
 - Safety Pivot Pin
 - Engagement Screw
- Obsolete Parts
 - Over Travel Screw
 - Connector

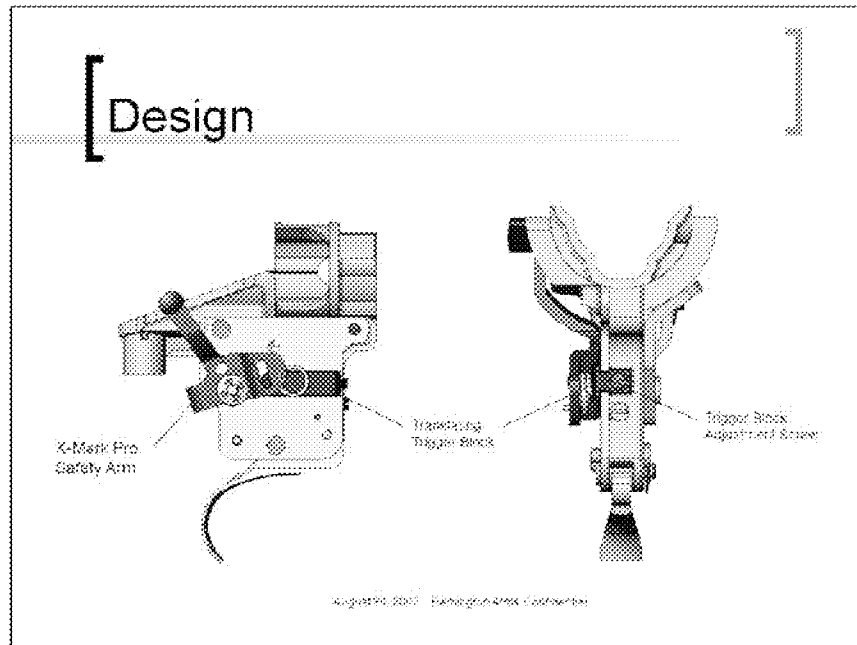
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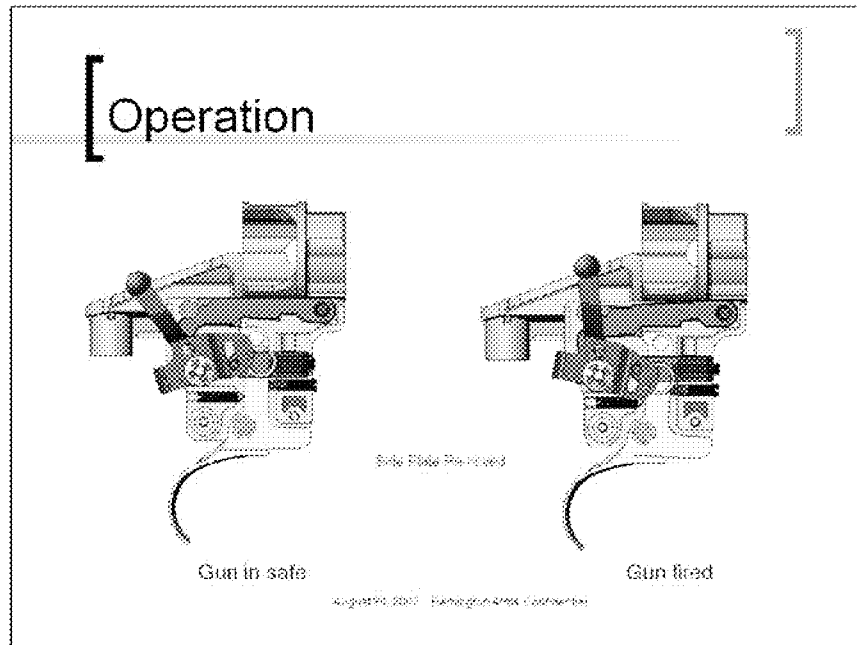


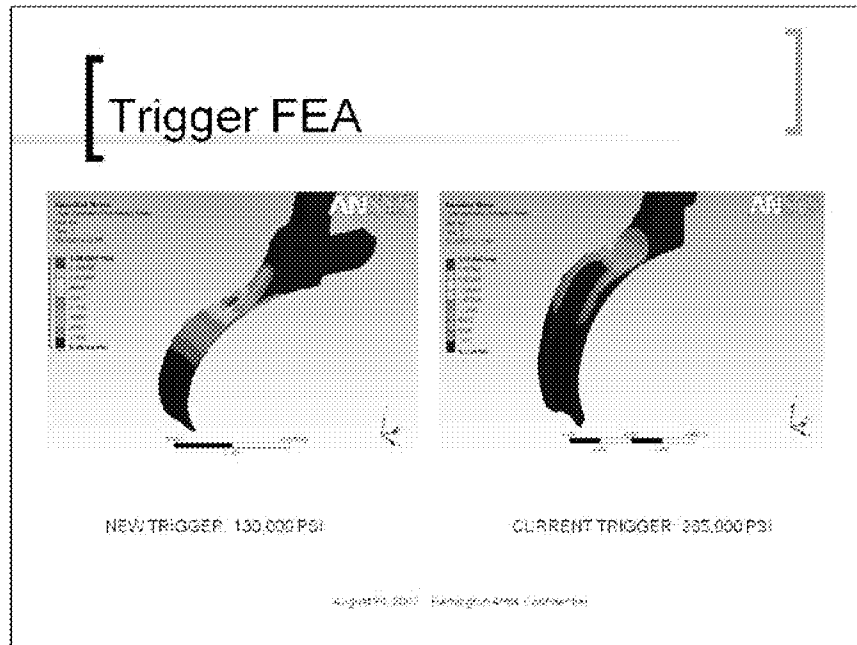
[Tooling Required]

- ※ Receiver Insert
 - New injection molding tool
 - Possibly can modify existing tooling
- ※ Trigger and Trigger Block
 - New MIM tool required for both
- ※ Side Plate
 - New stamping tool
 - Possibly can modify existing tooling
- ※ Safety Arm
 - New stamping tool
 - Possibly can add use X-Mark Pro safety arm

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[Current Status]

- DAT test plan currently being developed
 - Includes drop testing
 - Requires ordering of additional receiver inserts and side plates
- Waiting for DAT parts to come in
 - 15 Model 770's
 - Still on schedule for build on 9/4

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[Action Items]

Action Item	Status	Responsible	Due Date
Production Cost Estimate	In-Process	Vicars/Chamblee	8/21/07
Write DAT Test Plan	In Process	Norton/Test Lab	8/24/07
Order additional Receiver Inserts and Sideplates for drop testing	Completed	Norton	8/17/07
Build DAT guns	Pending completion of DAT parts	Norton/Mayfield	9/4/07

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[Schedule]

- Prove out concept using rapid prototypes (2 guns)
 - Complete – January 9, 2007
- EET (3 guns)
 - Complete – June 8, 2007
- DAT (15 guns)
 - DAT parts ordered - July 31, 2007
 - DAT gun build - September 4, 2007
 - Complete DAT - September 21, 2007

August 10, 2007 - Remington Arms Company Inc.