WAW
10.15

CUSTOMER POINT OF VIEW

HIGH "EASE OF USE"

- QUICK TO FIND
- EASY TO OPERATE
- EASY TO UNDERSTAND
- RELIABLE TO OPERATE

- EASY TO USE WITH 'SCOPE
- CRISP TRIGGER PULL
- MINIMUM CREEP
- HIS OWN PERCEPTION OF "WHAT IS"

MEDIUM

- QUIET OPERATION
- MINIMUM BACKLASH (feedback)
- SINGLE STAGE PULL
- EASILY KNOWN STATUS ("S" OR "F")
- PLEASING APPEARANCE
- ADJUSTABLE FOR WEIGHT OF PULL

LOW

- LOCATION OF SAFETY (CONSISTENT WITH EASE OF USE)
- HOW MECHANISM PREVENTS UNINTENDED FIRING - WHAT IT BLOCKS
- MINIMUM TRIGGER OVER-TRAVEL

10·15·93
WAW

MARKETING POINT OF VIEW

HIGH

- RESPONSIVE TO THEIR ASSESSMENT OF WRITERS' & CUSTOMERS' PERCEPTIONS OF REALITY.
- AVOID MULTIPLE FEATURE OPTIONS WHICH WOULD COMPOUND/CONFUSE SALES / INVENTORIES
- PRESERVE PRODUCTION CAPABILITY TO SATISFY M700 DEMAND
- EASY TO UNDERSTAND AND USE
- USER ABLE TO OPEN [AND CLOSE] BOLT IN A SAFE CONDITION ("3-POSITION SAFETY")
- BOLT LOCKED DOWN IN "S" CONDITION

MEDIUM

- CUSTOMER-ADJUSTABLE TRIGGER PULL FORCE ONLY DOWN TO MINIMUM SATISFACTORY LEVEL
- NOT ADJUSTABLE EXTERNALLY
- BOLT STOP RELEASE AWAY FROM "IN FRONT OF TRIGGER"
- NO SAFETY ON TANG
- LEFT-HAND VERSION (12-15% OF MARKET)

LOW

- FIELD-CONVERTIBLE FOR OPERATION WITH OR WITHOUT BOLT LOCK

NOT

- MAGAZINE-BOX DISCONNECT SYSTEM

WAW
10-15-93

MANUFACTURING POINT OF VIEW

HIGH

- INTERCHANGEABILITY OF COMPONENTS AT SUB-ASSEMBLY AND FINAL ASSEMBLY.
- SATISFACTORY PERFORMANCE WITH NORMALLY-ACHIEVED TOLERANCES
- ONLY NORMAL TRAINING AND DEXTERITY REQUIRED TO PROCESS

MEDIUM

- READY-TO-ASSEMBLE SUB-ASSEMBLIES AT FINAL ASSEMBLY
- DESIGNED TO PREVENT INCORRECT ASSEMBLY OF COMPONENTS

LOW

- READILY REWORKABLE/SALVAGEABLE

10.15.93
WAW

LIABILITY — POINT OF VIEW

HIGH

- AVOID PATENT INFRINGEMENT
- NOT INTERCHANGEABLE OR RETROFITTABLE TO M700
- TWO POSITION "S" & "F"
- SEALED UNIT; REQUIRING NO ORIGINAL OR FIELD LUBRICATION
- ROBUST AGAINST IMPACT - EXCEED SAAMI/ANSI RECCOMENDATIONS BY WIDE MARGIN
- USER OPERATION CONSISTENT WITH PRECEDENT AND CONVENTION.
- ROBUST AGAINST EFFECTS OF TAMPERING/ ADJUSTING
- HIGHLY INTUITIVE OPERATION

MEDIUM

- READILY DEFENSIBLE REASONS FOR DEPARTURE FROM CURRENT DESIGN

? • CONVERTIBLE & REVERSIBLE BOLT LOCK

? • INTERLOCK: WILL NOT FIRE IF TRIGGER IS PULLED AND HELD AS SAFETY S → F

10.15.93
WAW

ENGINEERING PROCESSING POINT OF VIEW

HIGH

- SHORT RECEIVER
- MACHINES, TOOLING, PROCESSES CONSISTENT WITH EXPECTED VOLUME
- HIGH-YIELD OPERATIONS
- MAINTAIN M200 PRODUCTION CAPACITY

MEDIUM

- DESIGN TO INHIBIT/PREVENT INCORRECT ASSEMBLY OF COMPONENTS
- DESIGN TO PERMIT REWORK/SALVAGE

10.15.93
WAW

ENGINEERING DESIGN POINT OF VIEW

HIGH

- SHORT DIMENSIONS PARALLEL TO ℄ BBL
- AVOID ANY REASON TO PUT FINGER WITHIN TRIGGER GUARD EXCEPT TO INTENTIONALLY FIRE
- EASY TO UNDERSTAND - HIGHLY INTUITIVE OPERATION
- REALITY VS. PERCEPTION RECONCILED THRU ACTUAL TESTING/PERFORMANCE
- PRESERVE ADVANTAGES OF RESILIENT (CONNECTOR) FUNCTION
- DO NOT USE SEAR AS BOLT STOP OR APPLY BOLT STOP IMPACT TO ASSEMBLY
  - REDUCED LOCK TIME
- ACTUATE SAFETY WITH BOLT OPEN

MEDIUM

- QUIET OPERATION
- ENHANCED CORROSION RESISTANCE
- COMPEL TRIGGER TO SUPPORT POSITION IN MOVING SAFETY F → S
- FULL TRIGGER RETRACTION UPON PARTIAL PULL
- MEANS TO PREVENT INCORRECT ASSEMBLY/RE-ASSEMBLY OF COMPONENTS

WAW
10-15

CUSTOMER POINT OF VIEW

HIGH "EASE OF USE"

- QUICK TO FIND
- EASY TO OPERATE
- EASY TO UNDERSTAND
- RELIABLE TO OPERATE

- EASY TO USE WITH 'SCOPE
- CRISP TRIGGER PULL
- MINIMUM CREEP
- HIS OWN PERCEPTION OF "WHAT IS"

MEDIUM

- QUIET OPERATION
- MINIMUM BACKLASH (feedback)
- SINGLE STAGE PULL
- EASILY KNOWN STATUS ("S" OR "F")
- PLEASING APPEARANCE
- ADJUSTABLE FOR WEIGHT OF PULL

LOW

- LOCATION OF SAFETY (CONSISTENT WITH EASE OF USE)
- HOW MECHANISM PREVENTS UNINTENDED FIRING - WHAT IT BLOCKS
- MINIMUM TRIGGER OVER-TRAVEL

10.15.93
WAW

MARKETING POINT OF VIEW

HIGH

- RESPONSIVE TO THEIR ASSESSMENT OF WRITERS' & CUSTOMERS' PERCEPTIONS OF REALITY.
- AVOID MULTIPLE FEATURE OPTIONS WHICH WOULD COMPOUND/CONFUSE SALES / INVENTORIES
- PRESERVE PRODUCTION CAPABILITY TO SATISFY M700 DEMAND
- EASY TO UNDERSTAND AND USE
- USER ABLE TO OPEN [AND CLOSE] BOLT IN A SAFE CONDITION ("3-POSITION SAFETY")
- BOLT LOCKED DOWN IN "S" CONDITION

MEDIUM

- CUSTOMER-ADJUSTABLE TRIGGER PULL FORCE ONLY DOWN TO MINIMUM SATISFACTORY LEVEL
- NOT ADJUSTABLE EXTERNALLY
- BOLT STOP RELEASE AWAY FROM "IN FRONT OF TRIGGER"
- NO SAFETY ON TANG
- LEFT-HAND VERSION (12-15% OF MARKET)

LOW

- FIELD-CONVERTIBLE FOR OPERATION WITH OR WITHOUT BOLT LOCK

NOT

- MAGAZINE-BOX DISCONNECT SYSTEM

WAW
10.15.93

MANUFACTURING POINT OF VIEW

HIGH

- INTERCHANGEABILITY OF COMPONENTS AT SUB-ASSEMBLY AND FINAL ASSEMBLY.
- SATISFACTORY PERFORMANCE WITH NORMALLY-ACHIEVED TOLERANCES
- ONLY NORMAL TRAINING AND DEXTERITY REQUIRED TO PROCESS

MEDIUM

- READY-TO-ASSEMBLE SUB-ASSEMBLIES AT FINAL ASSEMBLY
- DESIGNED TO PREVENT INCORRECT ASSEMBLY OF COMPONENTS

LOW

- READILY REWORKABLE/SALVAGEABLE

10·15·93
WAW

LIABILITY POINT OF VIEW

HIGH

- AVOID PATENT INFRINGEMENT
- NOT INTERCHANGEABLE OR RETROFITTABLE TO M700
- TWO POSITION "S" & "F"
- SEALED UNIT; REQUIRING NO ORIGINAL OR FIELD LUBRICATION
- ROBUST AGAINST IMPACT - EXCEED SAAMI/ANSI RECCOMENDATIONS BY WIDE MARGIN
- USER OPERATION CONSISTENT WITH PRECEDENT AND CONVENTION.
- ROBUST AGAINST EFFECTS OF TAMPERING/ ADJUSTING
- HIGHLY INTUITIVE OPERATION

MEDIUM

- READILY DEFENSIBLE REASONS FOR DEPARTURE FROM CURRENT DESIGN

? • CONVERTIBLE & REVERSIBLE BOLT LOCK

? • INTERLOCK: WILL NOT FIRE IF TRIGGER IS PULLED AND HELD AS SAFETY S → F

10.15.93
WAW

ENGINEERING PROCESSING POINT OF VIEW

HIGH

- SHORT RECEIVER
- MACHINES, TOOLING, PROCESSES CONSISTENT WITH EXPECTED VOLUME
- HIGH-YIELD OPERATIONS
- MAINTAIN M200 PRODUCTION CAPACITY

MEDIUM

- DESIGN TO INHIBIT/PREVENT INCORRECT ASSEMBLY OF COMPONENTS
- DESIGN TO PERMIT REWORK/SALVAGE

10·15·93
WAW

ENGINEERING DESIGN POINT OF VIEW

HIGH

- SHORT DIMENSIONS PARALLEL TO ℄ BBL
- AVOID ANY REASON TO PUT FINGER WITHIN TRIGGER GUARD EXCEPT TO INTENTIONALLY FIRE
- EASY TO UNDERSTAND - HIGHLY INTUITIVE OPERATION
- REALITY VS. PERCEPTION RECONCILED THRU ACTUAL TESTING/ PERFORMANCE
- PRESERVE ADVANTAGES OF RESILIENT (CONNECTOR) FUNCTION
- DO NOT USE SEAR AS BOLT STOP OR APPLY BOLT STOP IMPACT TO ASSEMBLY
  - REDUCED LOCK TIME
- ACTUATE SAFETY WITH BOLT OPEN

MEDIUM

- QUIET OPERATION
- ENHANCED CORROSION RESISTANCE
- COMPEL TRIGGER TO SUPPORT POSITION IN MOVING SAFETY F→S
- FULL TRIGGER RETRACTION UPON PARTIAL PULL
- MEANS TO PREVENT INCORRECT ASSEMBLY/ RE-ASSEMBLY OF COMPONENTS

AS AMENDED
AT MEETING
10.15.93.

DSF HAS ORIGINALS OF AMENDED VERSION.

WAW
10-15

CUSTOMER POINT OF VIEW

HIGH "EASE OF USE"

- QUICK TO FIND
- EASY TO OPERATE
- EASY TO UNDERSTAND
- RELIABLE TO OPERATE

- EASY TO USE WITH 'SCOPE
- CRISP TRIGGER PULL
- MINIMUM CREEP
- HIS OWN PERCEPTION OF "WHAT IS"

MEDIUM

- QUIET OPERATION
- MINIMUM BACKLASH (feedback)
- SINGLE STAGE PULL
- EASILY KNOWN STATUS ("S" OR "F")
- PLEASING APPEARANCE
- ADJUSTABLE FOR WEIGHT OF PULL

LOW

- LOCATION OF SAFETY (CONSISTENT WITH EASE OF USE)
- HOW MECHANISM PREVENTS UNINTENDED FIRING - WHAT IT BLOCKS
- MINIMUM TRIGGER OVER-TRAVEL

10·15·93
WAW

MARKETING POINT OF VIEW

HIGH

- RESPONSIVE TO THEIR ASSESSMENT OF WRITERS' & CUSTOMERS' PERCEPTIONS OF REALITY.
- AVOID MULTIPLE FEATURE OPTIONS WHICH WOULD COMPOUND/CONFUSE SALES/INVENTORIES
- PRESERVE PRODUCTION CAPABILITY TO SATISFY M700 DEMAND
- EASY TO UNDERSTAND AND USE
- USER ABLE TO OPEN [AND CLOSE] BOLT IN A SAFE CONDITION ("3-POSITION SAFETY")
- BOLT LOCKED DOWN IN "S" CONDITION

MEDIUM

- CUSTOMER-ADJUSTABLE TRIGGER PULL FORCE ONLY DOWN TO MINIMUM SATISFACTORY LEVEL
- NOT ADJUSTABLE EXTERNALLY
- BOLT STOP RELEASE AWAY FROM "IN FRONT OF TRIGGER"
- NO SAFETY ON TANG
- LEFT-HAND VERSION (12-15% OF MARKET)

LOW

- FIELD-CONVERTIBLE FOR OPERATION WITH OR WITHOUT BOLT LOCK

NOT

- MAGAZINE-BOX DISCONNECT SYSTEM

WAW
10-15-93

MANUFACTURING POINT OF VIEW

HIGH

- INTERCHANGEABILITY OF COMPONENTS AT SUB-ASSEMBLY AND FINAL ASSEMBLY.
- SATISFACTORY PERFORMANCE WITH NORMALLY-ACHIEVED TOLERANCES
- ONLY NORMAL TRAINING AND DEXTERITY REQUIRED TO PROCESS

MEDIUM

- READY-TO-ASSEMBLE SUB-ASSEMBLIES AT FINAL ASSEMBLY
- DESIGNED TO PREVENT INCORRECT ASSEMBLY OF COMPONENTS

LOW

- READILY REWORKABLE/SALVAGABLE

10.15.93
WALL

LIABILITY POINT OF VIEW

HIGH

- AVOID PATENT INFRINGEMENT
- NOT INTERCHANGEABLE OR RETROFITTABLE TO M700
- TWO POSITION "S" & "F"
- SEALED UNIT; REQUIRING NO ORIGNAL OR FIELD LUBRICATION
- ROBUST AGAINST IMPACT - EXCEED SAAMI/ANSI RECCOMENDATIONS BY WIDE MARGIN
- USER OPERATION CONSISTENT WITH PRECEDENT AND CONVENTION.
- ROBUST AGAINST EFFECTS OF TAMPERING/ ADJUSTING
- HIGHLY INTUITIVE OPERATION

MEDIUM

- READILY DEFENSIBLE REASONS FOR DEPARTURE FROM CURRENT DESIGN

? • CONVERTIBLE & REVERSIBLE BOLT LOCK

? • INTERLOCK: WILL NOT FIRE IF TRIGGER IS PULLED AND HELD AS SAFETY S → F

(1) SAFETY WONT MOVE IF TRIGGER IS HELD OR

(2) SAFETY WILL MOVE BUT TRIGGER MUST THEN BE RELEASED AND PULLED TO CAUSE FIRING.

10.15.93
WAW

ENGINEERING PROCESSING POINT OF VIEW

HIGH

- SHORT RECEIVER
- MACHINES, TOOLING, PROCESSES CONSISTENT WITH EXPECTED VOLUME
- HIGH-YIELD OPERATIONS
- MAINTAIN M700 PRODUCTION CAPACITY

MEDIUM

- DESIGN TO INHIBIT/PREVENT INCORRECT ASSEMBLY OF COMPONENTS
- DESIGN TO PERMIT REWORK/SALVAGE

10·15·93
WAW

ENGINEERING DESIGN POINT OF VIEW

HIGH

- SHORT DIMENSIONS PARALLEL TO ⊄ BBL
- AVOID ANY REASON TO PUT FINGER WITHIN TRIGGER GUARD EXCEPT TO INTENTIONALLY FIRE
- EASY TO UNDERSTAND - HIGHLY INTUITIVE OPERATION
- REALITY VS. PERCEPTION RECONCILED THRU ACTUAL TESTING/ PERFORMANCE
- PRESERVE ADVANTAGES OF RESILIENT (CONNECTOR) FUNCTION
- DO NOT USE SEAR AS BOLT STOP OR APPLY BOLT STOP IMPACT TO ASSEMBLY

  - REDUCED LOCK TIME

- ACTUATE SAFETY WITH BOLT OPEN

MEDIUM

- QUIET OPERATION
- ENHANCED CORROSION RESISTANCE
- COMPEL TRIGGER TO SUPPORT POSITION IN MOVING SAFETY F→S
- FULL TRIGGER RETRACTION UPON PARTIAL PULL
- MEANS TO PREVENT INCORRECT ASSEMBLY/ RE-ASSEMBLY OF COMPONENTS