



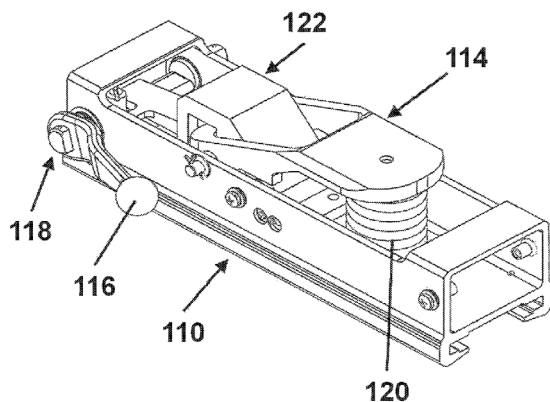
PIN RETAINER ON A MISSILE LAUNCH RAIL

INTRODUCTION

The pin retainer relates to a missile launch rail device including: a missile launch rail and a latch for attaching and releasing a missile situated on the missile launch rail, a latch pin inserted through both two latch pin holes, two rail pin holes positioned approximately halfway between the cam end and the spring end, and a pin retainer securely mounted to the missile launch rail. This pin retainer includes a latch pin catch, which holds the latch pin in place to restrict radial pressure, by the pin on inside surfaces of the two latch holes and inside surfaces of the two rail pin holes from pressure created by the missile on the latch, thus substantially preventing premature disabling of the missile launch rail and the latch by wear on the latch holes and the rail pin holes.

CONCEPT

The invention provides a more efficient launch rail.



INVENTION OVERVIEW

The invention is a pin retainer on a launch rail.

- U.S. Patent Number: 8,887,613 B1
- Application Number: 14/041,448
- Date of Patent: 18 Nov 2014

POTENTIAL MARKET

- Machine & tooling industries

DOING BUSINESS WITH CCDC AVIATION & MISSILE CENTER

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