

Title (en)

Retractable arrow rest for a bow.

Title (de)

Versenkbare Pfeilauflage für einen Bogen.

Title (fr)

Dispositif de support de flèche escamotable pour arc.

Publication

**EP 0342108 A1 19891115 (FR)**

Application

**EP 89401271 A 19890505**

Priority

FR 8806375 A 19880511

Abstract (en)

[origin: JPH0213794A] PURPOSE: To prevent the oscillation of an arrow rest, by quickly releasing the arrow-rest by causing a weight to form a lock for detaining an arrow support at an active position against a spring and for releasing and retracting the arrow support when an arrow is fired, and constituting the arrow support of a bar so that the arrow support may slide under the action of the spring. CONSTITUTION: When an arrow is fired, the part 32 of a bar 30 slides against an absorption spring 33 by taking the deflection of arrow supports 3 and 4 into account so as to avoid the deviation of the bar 30 from its track. In addition to the absorption, the reaction force generated when the chord of a bow is separated causes the rotation of a weight 28 until a collar 35 slides off the end of the weight 28. A spring 37 abruptly pushes back the assembly of the bar 30 and retracts the part 32, of the bar 30 into an extension section 23. An arrow spacer 3 is returned to the active position similarly to an arrow rest 4 and pushes back the bar 30 against the spring 37 until the collar 36 is oppositely faced to the margin of the opening 29 of the weight 28. A sliding bar and the axes of rotation 11 and 27 of weights 10 and 28 are substantially provided in the same plane.

Abstract (fr)

Dispositif de support de flèche escamotable pour arc, ce dispositif étant destiné à être fixé sur l'âme d'un arc à proximité de la zone de maintien de la flèche lors de son lancer, ce dispositif comportant un support de flèche mobile sous l'action d'un ressort (15) et une masse pesante mobile (10) de façon à être sensible aux forces de réaction produites par l'arc lors du lancer de la flèche, cette masse pesante constituant un verrou pour retenir le support de flèche en position active à l'encontre du ressort et pour le libérer lors du lancement de flèche afin de l'escamoter, dispositif caractérisé en ce que le support de flèche (3, 4) est constitué par une tige (14) montée à coulissement sous l'action de ce ressort (15).

IPC 1-7

**F41B 5/00; F41B 5/02**

IPC 8 full level

**F41B 5/22** (2006.01)

CPC (source: EP US)

**F41B 5/143** (2013.01 - EP US); **F41B 5/1438** (2013.01 - EP US)

Citation (search report)

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