

Title (en)
NO INTERFERENCE MECHANICAL-MAGNETIC ARROW SUSPENSION SYSTEM FOR ARCHERY

Title (de)
MECHANISCH -MAGNETISCHE PFEILANLAGE FUER BOGEN

Title (fr)
SYSTEME DE SUSPENSION DE FLECHE MECANIQUE-MAGNETIQUE SANS INTERFERENCE

Publication
EP 0701681 A1 19960320 (EN)

Application
EP 94914550 A 19940330

Priority
• IT 9400038 W 19940330
• IT PE930002 A 19930531

Abstract (en)
[origin: WO9428368A1] The invention, applicable to all bows existing in the field of archery, eliminates the interference encountered during the initial arrow flight near the bow. The steady flipper rests, presently in use, which sustain the shaft of the arrow are replaced by a mechanical suspension operating in all traction phases which precede the position at maximum elongation status and by a magnetic suspension that replaces mechanical suspension and becomes active in the said final position. Mechanical support is made by appropriate shaping of the clicker that could be retractable after the release. The point insert of the arrow will be in ferromagnetic material since it is designed to support the arrow at the end of its guided run between the pole shoes of a magnet. After the string release, the magnetic effect will cease when the arrow point insert has left the magnetic field of attracting forces: this will allow arrow flight which is free of any interference phenomenon.

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IPC 8 full level
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F41B 5/1434 (2013.01); **F41B 5/1438** (2013.01)

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