

Title (en)

DEVICE FOR ALIGNING A PLURALITY OF ELEMENTS, ESPECIALLY IN A PYROTECHNICAL CHAIN

Publication

EP 0320401 B1 19921230 (FR)

Application

EP 88403134 A 19881209

Priority

FR 8717287 A 19871211

Abstract (en)

[origin: EP0320401A1] The subject of the invention is a device which, inserted in a chain of aligned elements, ensures the misalignment of this chain and, on command, its realignment. It comprises mainly: - an internally threaded pinion (2); - a screw (10) screwed into the pinion; - an indexing disc (3) having a bore (31) in which the pinion is engaged and carrying an element (51) to be aligned with an axis (53); - a toothed quadrant (4) having the same axis as the indexing disc, fixed to the latter, interacting with the pinion to block the rotation of the pinion as long as the latter is engaged in the indexing disc, and driven by the pinion in a rotational movement when the pinion is disengaged from the indexing disc. Controlling the rotation of the screw has the effect of a translational movement of the pinion until it is disengaged from the indexing disc and then a rotation of the indexing disc ensuring the alignment of the element (51) with a predefined axis (53). <IMAGE>

IPC 1-7

F42C 14/06; F42C 15/18

IPC 8 full level

F42C 15/188 (2006.01); **F42C 15/295** (2006.01)

CPC (source: EP)

F42C 15/188 (2013.01); **F42C 15/295** (2013.01)

Cited by

EP0437871A3

Designated contracting state (EPC)

CH DE FR GB GR IT LI SE

DOCDB simple family (publication)

EP 0320401 A1 19890614; EP 0320401 B1 19921230; DE 3877168 D1 19930211; DE 3877168 T2 19930429; FR 2624630 A1 19890616; FR 2624630 B1 19900330; HK 44295 A 19950331

DOCDB simple family (application)

EP 88403134 A 19881209; DE 3877168 T 19881209; FR 8717287 A 19871211; HK 44295 A 19950323