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- (54) A method and an apparatus for determining the flight distance covered by a projectile.
- 57) The present invention relates to a method and an apparatus (1) for continuously measuring the flight distance covered by a projectile, with the aid of an accelerometer (1) which exclusively measures the retardation acting on the projectile on each separate occasion.



EUROPEAN SEARCH REPORT

Application Number EP 93 85 0204

Category	Citation of document with in of relevant pas	dication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	EP-A-0 348 985 (ASE * the whole documen	A BROWN BOVERI AG) t *	1	F42C15/40 G01P15/12
Y			2-4	G01P15/02 G01P1/00
ľ	GB-A-2 183 040 (STC * the whole documen	t * `	2-4	
١			1	
١	EP-A-O 231 161 (AKT * page 6, line 13 -	IEBOLAGET BOFORS) line 24; claims 1,2 *	1-4	
4	GMBH) * page 4, paragraph		1-4	
(paragraph; claims; US-A-3 478 604 (EVA	 NS)	5-10	
,	* the whole documen			
ľ	US-A-4 987 781 (REIMANN) * column 1, line 1 - line 50; figures *		5-10	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
A	DE-A-41 00 451 (NIS * claims *	SAN MOTOR CO)	5-10	F42C G01P
	The present search report has b	•		
Place of search THE HAGUE		Date of completion of the search 23 June 1994	Do	Examiner USKas, K
X: par Y: par doc A: tec O: no	CATEGORY OF CITED DOCUMENT ticularly relevant if taken alone ticularly relevant if combined with an exament of the same category hnological background newritten disclosure ermediate document	NTS T: theory or princip E: earlier patent do after the filing d	le underlying th cument, but put ate in the applicatio for other reasons	e invention blished on, or on



CLAIMS INCURRING FEES				
		•		
The present European patent application comprised at the time of filing more than ten claims.				
		All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.		
[Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:		
[No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.		
		CK OF UNITY OF INVENTION		
	ntion an	Division considers that the present European patent application does not comply with the requirement of unity of d relates to several inventions or groups of inventions.		
see sheet -B-				
	X	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims		
		Only part of the further search fees have been paid within the fixed time limit. The present European search		
'		report has been drawn up for those parts of the European patent application which relate to the inventions in		
		respect of which search fees have been paid.		
	_	namely claims:		
		None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.		
		namely claims		
		namely claims		



European Patent Office

EP 93 85 0204

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LACK OF UNITY OF INVENTION A POSTERIORI

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-4

: Method for calculating the flight distance covered by a projectile by integrating twice the deceleration of the projectile.

2. Claims 5-10 : Accelerometer of the piezo-resistive type including a seismic mass. The seismic mass is free to move in only one direction.