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(71) Applicant: **Talleres De Escoriaza, S.A.**
20305 Irun (Guipuzcoa) (ES)

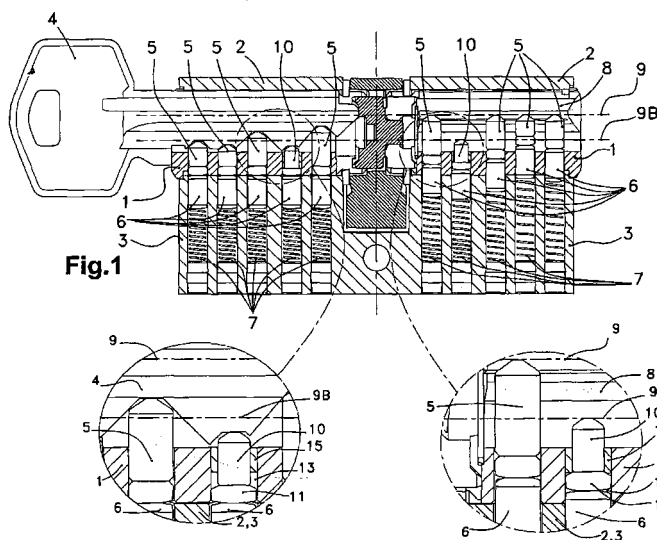
(72) Inventors:
• **Recondo Garayalde, Pedro**
Irun, Guipuzcoa (ES)
• **Alcelay Bea, José**
20305 Irun, Guipuzcoa (ES)
• **Sasieta Oyarbide, Eneko**
Irun, Guipuzcoa (ES)

(74) Representative: **Boden, Keith McMurray et al**
Fry Heath & Spence LLP
The Gables,
Massetts Road
Horley, Surrey RH6 7DQ (GB)

(54) **Security device for lock cylinders**

(57) A security device for lock cylinders, which consist of a plug-rotor (1) which is rotatable in a cavity of a lock cylinder housing (2), which locks use true keys (4) in which the combination for opening is by means of peaks and valleys of different sizes, with the valleys operating in conjunction with respective pairs of pins (5, 6), which each comprise a plug-rotor pin (5) and a lock cylinder housing pin (6) which is loaded by a spring (7), and the plug-rotor (1) incorporating a keyway (8) for insertion

of the true key (4), in which there is provided a usual virtual line (9) corresponding to longitudinal alignment of the tips of the plug-rotor pins (5) when no key is inserted; characterised in that at least one of the plug-rotor pins (5) is formed as a security pin (10) which includes some end means which prevents the security pin (10) from reaching the usual virtual line (9) in the state in which the true key (4) is not inserted or the lock is empty, and its advance reaches only a virtual security line (9B) which is shorter than that of the usual virtual line (9).





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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* column 5, lines 42-63; figures 9,10 *	4-7,9	
X	FR 2 577 969 A (MICROPHOT) 29 August 1986 (1986-08-29) * page 3, line 2 - page 5, line 12; figures 1,5-7 *	1-6, 12-14	
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X	AT 6 498 U1 (KABA GEIGE GMBH) 25 November 2003 (2003-11-25) * figures 1-3 *	1	
A	* page 4, line 23 - page 6, line 11 *	2-6	
			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 June 2007	Examiner Cruyplant, Lieve
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 06 25 1384

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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