



Europäisches Patentamt

19 European Patent Office

Office européen des brevets

⑪ Publication number:

0 098 990
A3

⑫ EUROPEAN PATENT APPLICATION

②1 Application number: 83105906.8

⑤1 Int. Cl.³: **E 05 B 47/06**

②② Date of filing: 16.06.83

③ Priority: 21.06.82 IT 495182U

⑦1 Applicant: VIRO INNOCENTI S.p.A., Via Garibaldi 4,
I-40069 Zola Predosa (IT)

(43) Date of publication of application: 25.01.84
Bulletin 84/4

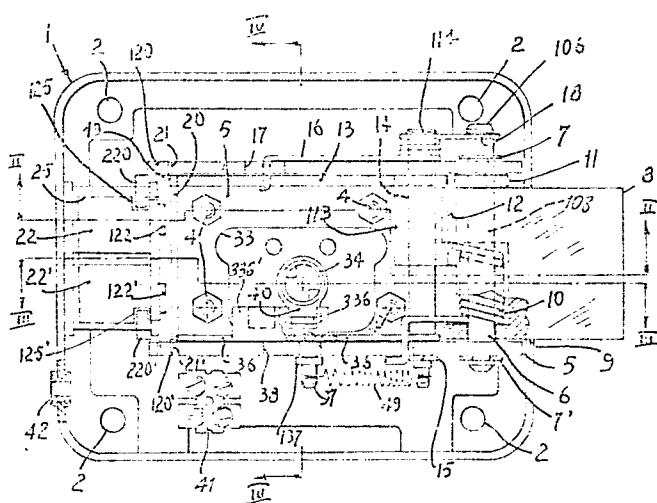
72 Inventor: Vanelli Coralli, Giorgio, 4, Via M. L. King,
I-40132 Bologna (IT)

⑧④ Designated Contracting States: **AT BE CH DE FR GB LI LU NL SE**

74 Representative: **Porsia, Dino, Dr. et al, c/o Succ. Ing. Fischetti & Weber Via Caffaro 3, I-16124 Genova (IT)**

54 Improved electric lock of the swingable latch type.

57. An electric lock of the swingable latch type, in that the latch (8) is biased by a spring (10) into its door-opening position, but is held into its door-locking position by the suitably shaped projecting portion (12) of an associated member (108) engaged in means (113) at one end of, and integral with lever (13) fulcrumed about pivot (14) parallel to pivot (6) pivotably supporting the latch (8), and biased by a spring (16) in the proper direction for engagement of means (113) with the projecting portion (12) of member (108), and into engagement through the stepped portion (19) formed in its opposite end remote from latch (8) with the top end of a flat lever (20) of ferromagnetic material, provided with lateral appendices (120-120') respectively extending at right angles from the top and bottom end thereof, with their axis being parallel to the pivots (14 and 6), and by which the lever (20) is swingably mounted in circular seats (21-21') at the upper and lower end of the wings of the support member (5), the top end of lever (20) being swung into engagement with the stepped portion (19) of lever (13) by the plungers (122-122') of solenoids (22-22') axially urged by springs (24) toward lever (20), and being drawn out of engagement with the said stepped portion (19) by the activation of solenoids (22-22'), resulting in the plungers (122-122') being drawn into the interior of the respective solenoid (22-22'), whereby the latch (8) is swung into its door-opening position.



ACTORUM AG

BAD ORIGINAL



European Patent
Office

EUROPEAN SEARCH REPORT

Application number

EP 83 10 5906

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	DE-C- 182 543 (G. KISSLING) * Complete document *	1, 4	E 05 B 47/06
A	DE-C- 80 383 (A. PFANNEBERG) * Complete document *	1, 4	
A	CH-A- 313 939 (F. FUSS) * Complete document *	1	
A	DE-C- 197 101 (E.J.G. BOTTEMAN et al.) * Figures 1, 3; claim *		

			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			E 05 B 47/00

The present search report has been drawn up for all claims

Place of search BERLIN	Date of completion of the search 18-01-1984	Examiner KRABEL A.W.G.
---------------------------	--	---------------------------

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