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(71) Applicant: **Beghelli S.p.A.**
40050 Monteveglio, Bologna (IT)

(72) Inventor: **Beghelli, Gian Pietro**
40050 Monteveglio
Bologna (IT)

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(74) Representative: **Iannone, Carlo Luigi et al**
Barzanò & Zanardo Roma S.p.A.
Via Piemonte 26
00187 Roma (IT)

(54) **Watertight seal lighting equipment**

(57) A watertight seal lighting equipment, used in particular for the lighting of watertight and anticorrosive environments, comprising a main body (10) made of sheet iron, moulded in a single piece, a closing screen (11), obtained from a flat slab of tempered glass, a closing head (12), moulded by die-casting of aluminium and sealed to the body (10) and the screen (11), and a movable and openable head (13), suitable to allow the extraction from the body (10) of a extractable plate or sup-

port element (14), on which the light sources and the feeder of the equipment are wired. Since the movable head (13) is the only opening between the outside and the inside, the seal results extremely improved, compared to the traditional equipment, because the silicone seal gasket (17) has a length lower than that one of the traditional equipment, and the rigidity of the movable head (13) offers an uniform pressure on the silicone gasket (17), unlike what happens in the traditional equipment.

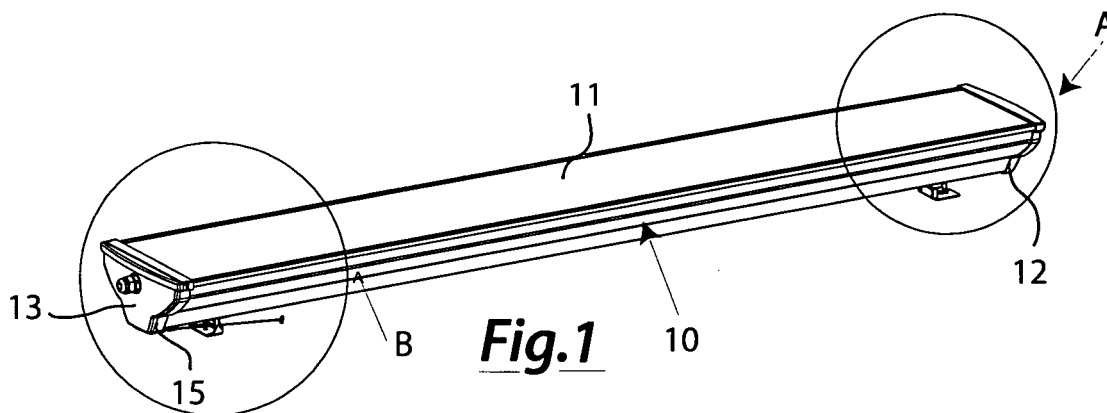


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 42 5354

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* paragraph [0008] - paragraph [0024]; figures 1-14 *	9,10	
X	GB 641 289 A (BRITISH THOMSON HOUSTON CO LTD; WILLIAM DONALD SINCLAIR) 9 August 1950 (1950-08-09) * page 3, line 53 - line 108 * * figure 1 *	1-6	
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A	DE 32 04 644 A1 (KORTE HEINRICH) 18 August 1983 (1983-08-18) * page 4, line 24 - page 5, line 15 * * page 10, line 19 - page 11, line 12 * * page 11, line 21 - page 12, line 19 * * claims 1,8,9,12,13; figures 1,2 *	1-6	
A	CH 686 640 A5 (MIRATRON AG [CH]) 15 May 1996 (1996-05-15) * column 1, line 43 - line 52; figure 2 *	1,9,10	
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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 24 February 2011	Examiner De Mas, Alfonso
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number
EP 09 42 5354

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	FR 2 491 585 A1 (MATERIEL ELECT PERFECT ECLAIRA [FR]) 9 April 1982 (1982-04-09) * page 5, line 18 - line 31 * * page 6, line 26 - line 35 * * page 7, line 21 - line 32 * * page 9, line 23 - line 27 * * page 10, line 31 - page 13, line 25 * * figures 1-4,9-12 *	1,7,8	
A	GB 1 255 024 A (VICTOR PRODUCTS WALLS END LTD) 24 November 1971 (1971-11-24) * page 1, line 9 - line 17 * * page 2, line 9 - line 109 * * figures 1,2 *	1,7,8	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 24 February 2011	Examiner De Mas, Alfonso
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.82 (P04C01)



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

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

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ 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 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 invention first mentioned in the claims, namely claims:

☐ The present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 09 42 5354

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

1. claims: 1-6, 9, 10

Watertight lighting device with extractable electrical connection.

2. claims: 7, 8

Lighting device with fixing elements

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 42 5354

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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24-02-2011

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