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EUROPEAN PATENT APPLICATION

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⑦① Applicant: **THE DOVER ENGINEERING WORKS LIMITED, Dour Iron Foundry, Dover Kent CT16 2LE (GB)**

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⑦② Inventor: **Bowley, Clive, 9 Thompson Close, Walmer Deal Kent (GB)**

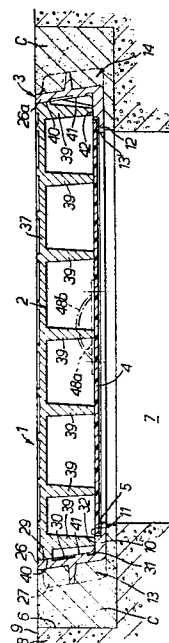
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⑦④ Representative: **Alden, Thomas Stanley et al, A.A. THORNTON & CO. Northumberland House 303-306 High Holborn, London WC1V 7LE (GB)**

⑤④ **Removable covers and frames therefor.**

⑤⑦ A manhole cover unit (1) comprises a cover (2) which is seated in a frame (3) to cover over a pit opening (7) the mouth of which is bounded by the frame. To protect the cover (2) against the effect of effluent gases escaping from the pit opening (7) when the unit (1) is used in a sewerage system, a barrier plate (4) is seated on a base flange (10) of the frame (3) so as to extend across the mouth of the pit opening below the cover. The barrier plate (4) is of a material which is resistant to corrosion such as a glass fibre reinforced synthetic plastics. To ensure that effluent gases do not escape past the barrier plate (4), a gasket (5) is bonded around its margin to seal against the base flange (10) on a ledge (12) thereof formed by a rebate (11). The gasket (5) is urged into sealing engagement with the ledge (12) by the weight of the cover (2) when resting on the base flange (10). The cover may have a solid top braced by a honeycomb ribbed structure on its underside. The cover (2) and frame (3) may be of cast iron.





European Patent
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EUROPEAN SEARCH REPORT

0031641

Application number

EP 80 30 4044

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
PX	<u>GB - A - 1 571 824</u> (BRITISH STEEL CORPORATION) * Page 1, lines 19-55, 82-90; page 2, lines 1-5, 18-23, 38-45, 58-64; figures 1,2 * -- <u>FR - A - 2 043 200</u> (DOWNES) * Page 3, lines 19-23, 40; page 4, lines 1-6, 16-25; page 5, lines 10-11, 28-30; figures 1,4,5 * ----	1,3,8, 15,17, 19,20 1,12, 17	E 02 D 29/14 E 03 F 7/00
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			E 02 D E 03 F
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family, corresponding document
☒ The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		12-06-1981	RUYMBEKE