

12 **EUROPEAN PATENT APPLICATION**

21 Application number: **82306578.4**

51 Int. Cl.<sup>3</sup>: **C 25 B 11/03**

22 Date of filing: **09.12.82**

30 Priority: **23.12.81 CA 393106**

71 Applicant: **NORANDA MINES LIMITED, P.O.**  
**Box 45 Suite 4500 Commerce Court West, Toronto**  
**Ontario, M5L 1B6 (CA)**  
Applicant: **THE ELECTROLYSER CORPORATION LTD.,**  
**122 The West Mall Etobicoke, Toronto Ontario (CA)**

43 Date of publication of application: **29.06.83**  
**Bulletin 83/26**

72 Inventor: **Bowen, Christopher T., 124 Belmont Ave,**  
**Pointe Claire Quebec (CA)**  
Inventor: **Davis, John H., 414 Halford Road, Beaconsfield**  
**Quebec (CA)**  
Inventor: **LeRoy, Rodney L., 103 Brunet Street, Pointe**  
**Claire Quebec (CA)**

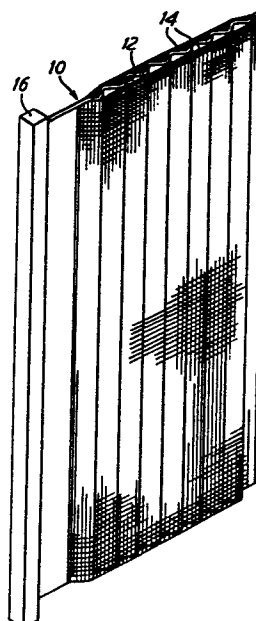
84 Designated Contracting States: **BE CH DE FR GB IT LI**  
**SE**

88 Date of deferred publication of search  
report: **14.09.83 Bulletin 83/37**

74 Representative: **Thomas, Roger Tamlyn et al, D. Young &**  
**Co. 10 Staple Inn, London WC1V 7RD (GB)**

54 **An electrode structure for electrolyser cells.**

57 An electrode structure for electrolytic cells is disclosed. The electrode structure comprises a central current-collector (12) structure having high points on at least one side and adapted to be placed vertically in the electrolytic cell, and a porous electrode (14) secured to the high points of the current-collector structure on at least one side thereof so as to form an essentially-planar pre-electrode surface. The high points of the current-collector are arranged so as to allow an unimpeded rise of the evolved gases to the top of the electrode.





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. <sup>3</sup> )
Y	FR-A-2 433 592 (O. DE NORA) * Page 13, lines 13-20; figure 3 *	1	C 25 B 11/03
Y	US-A-3 941 675 (B. STRASSER) * Figures 4,5 *	1	
A	US-A-3 925 886 (L.G. EVANS)		
A	US-A-4 210 516 (L. MOSE)		
A	CH-A- 331 199 (E. ZDANSKY)		
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
			C 25 B 11 C 25 B 9
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-06-1983	Examiner GROSEILLER PH.A.
CATEGORY OF CITED DOCUMENTS		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	
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		& : member of the same patent family, corresponding document	