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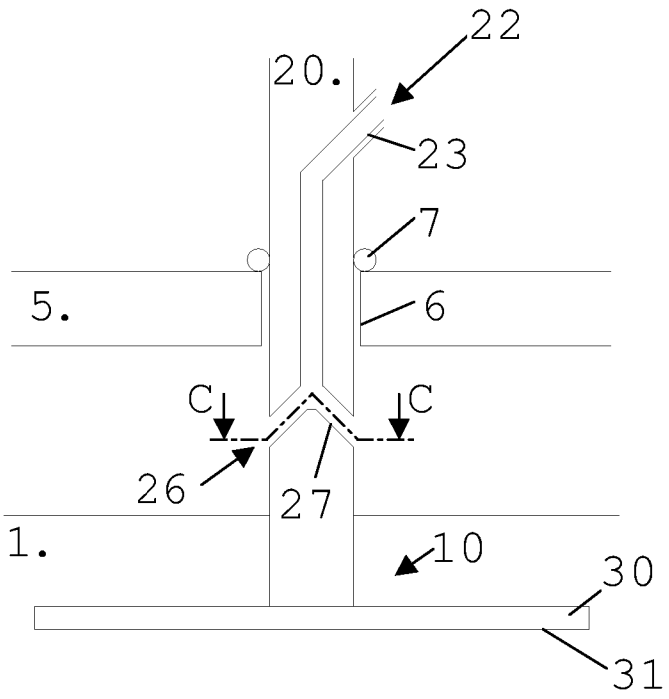
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROLYTIC CELL WITH IMPROVED FEED DEVICE



(57) Abstract: A cell for the electrowinning of a metal from a compound of the metal dissolved in a molten electrolyte (1), comprises a cell trough containing the molten electrolyte (1) in which the metal compound is dissolved and a cell cover (5) located above the molten electrolyte (1). The cell further comprises an anode (10) that has an anode body (30) and an elongated anode stem (20) having a bottom end (21) connected to the anode body (30). The anode stem (20) extends through a stem passage (6) in the cell cover (5) and suspends the anode body (30) in the molten electrolyte (1). The anode body has a bottom surface (31) which is immersed in the molten electrolyte (1) and which is active for the electrolysis of the metal compound. A delivery duct (22) for supplying particles of the metal compound (3) to the electrolyte (1) extends along the anode stem (20) through the stem passage (6) . The delivery duct (22) is arranged to deliver the metal compound particles (3) to the electrolyte (1) at an exit point (26) of the duct (22) located between the cell cover (5) and the anode body (30). The cell cover (5) may comprise: one or more preformed components, usually one or more insulating plates, placed above the electrolyte; and/or an electrolyte crust formed in-situ above the electrolyte by freezing its surface.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C25C3/14

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 713 024 A (GIOVANNI MANTOVANELLO) 12 July 1955 (1955-07-12) column 2, lines 46-70; claims 1-3; figure 1	1-23
A	US 5 759 382 A (UTIGARD TORSTEIN [CA] ET AL) 2 June 1998 (1998-06-02) claim 1; figure 1	1-23

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
20 December 2006	12/01/2007

Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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