

Title (en)
APPARATUS, METHOD AND SYSTEM FOR PRODUCTION AND SEPARATION OF GASES

Title (de)
VORRICHTUNG, VERFAHREN UND SYSTEM ZUR HERSTELLUNG UND TRENNUNG VON GASEN

Title (fr)
APPAREIL, PROCÉDÉ ET SYSTÈME DE PRODUCTION ET DE SÉPARATION DE GAZ

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Abstract (en)
[origin: WO2016084037A1] This invention relates to an apparatus and method for production of gases from an electrolytic solution, and a system incorporating said apparatus and method. According to the invention there is provided an apparatus for separation of gases upon production from an electrolytic solution, the apparatus comprising a sealed chamber; first and second tubular members, each connected to a power supply pole, projected into the chamber; first and second permeable electrodes fitted to operative ends of the tubular members, the electrodes being spaced apart from and opposing each other resulting in an electrode gap; pressurised electrolytic solution introduced into the chamber via the inlet and passing from the chamber through the permeable electrodes and into the tubular members, resulting in first and second bi-phase flows consisting of fluid electrolytic solution and first and second constituent gases through the first and second permeable electrodes into the first and second tubular members.

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