

Title (en)
ELECTRODE FOR ELECTROLYSIS

Title (de)
ELEKTRODE FÜR DIE ELEKTROLYSE

Title (fr)
ÉLECTRODE DESTINÉE À L'ÉLECTROLYSE

Publication
EP 3546619 B1 20210106 (EN)

Application
EP 17873862 A 20171117

Priority
• JP 2016227066 A 20161122
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Abstract (en)
[origin: EP3546619A1] An electrode for electrolysis according to the present invention is an electrode for electrolysis including a conductive substrate; and a catalyst layer formed on a surface of the conductive substrate, wherein the catalyst layer comprises ruthenium element, iridium element, titanium element, and at least one first transition metal element selected from the group consisting of Sc, V, Cr, Fe, Co, Ni, Cu, and Zn, a content ratio of the first transition metal element contained in the catalyst layer based on 1 mol of the titanium element is 0.25 mol % or more and less than 3.4 mol %, and a D value being an indicator of an electric double layer capacitance of the electrode for electrolysis is 120 C/mor more and 420 C/mor less.

IPC 8 full level
C25B 1/46 (2006.01); **C25B 9/17** (2021.01); **C25B 9/19** (2021.01); **C25B 9/23** (2021.01); **C25B 11/04** (2021.01)

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C25B 1/46 (2013.01 - EP KR); **C25B 9/00** (2013.01 - EP); **C25B 9/17** (2021.01 - RU); **C25B 9/19** (2021.01 - KR); **C25B 9/23** (2021.01 - US); **C25B 11/057** (2021.01 - KR US); **C25B 11/091** (2021.01 - KR); **C25B 11/093** (2021.01 - EP KR RU); **C25B 11/097** (2021.01 - KR US)

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