Title (en)

METHOD FOR PRODUCING A PARTICULATE CARRIER MATERIAL PROVIDED WITH ELEMENTARY SILVER AND ELEMENTARY RUTHENIUM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES MIT ELEMENTAREM SILBER UND ELEMENTAREM RUTHENIUM AUSGESTATTETEN PARTIKELFÖRMIGEN TRÄGERMATERIALS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MATÉRIAU SUPPORT PARTICULAIRE CONTENANT DE L'ARGENT ÉLÉMENTAIRE ET DU RUTHÉNIUM ÉLÉMENTAIRE

Publication

EP 4237596 A2 20230906 (DE)

Application

EP 21706295 A 20210223

Priority

- EP 20204367 A 20201028
- EP 2021054376 W 20210223

Abstract (en)

[origin: WO2021084140A2] The invention relates to a method for producing a particulate carrier material provided with silver and ruthenium, comprising the following steps: a) providing a water-insoluble particulate carrier material and aqueously dissolved silver and ruthenium precursors, b) bringing the particulate carrier material into contact with the aqueous solution of the precursors to form an intermediate, c) bringing the intermediate into contact with an aqueous hydrazine solution having a pH value of >7 to 14 to form a mass comprising silver and ruthenium, d) optionally washing the obtained mass, and e) removing water and other possible volatile components from the mass.

IPC 8 full level

C23C 18/00 (2006.01)

CPC (source: EP KR US)

B22F 1/17 (2022.01 - EP KR US); **B22F 1/18** (2022.01 - EP KR US); **B22F 9/24** (2013.01 - EP KR); **C23C 18/1635** (2013.01 - EP KR US); **C23C 18/1639** (2013.01 - EP KR); **C23C 18/1641** (2013.01 - EP KR US); **C23C 18/1658** (2013.01 - EP KR US); **C23C 18/44** (2013.01 - EP KR US); **C23C 18/48** (2013.01 - EP KR); **C23C 18/52** (2013.01 - KR); B22F 2301/255 (2013.01 - US)

Citation (search report)

See references of WO 2021084140A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 3825440 A1 20210526; CN 116194619 A 20230530; EP 4237596 A2 20230906; JP 2023544152 A 20231020; KR 20230057456 A 20230428; US 2023392263 A1 20231207; WO 2021084140 A2 20210506; WO 2021084140 A3 20210819

DOCDB simple family (application)

EP 20204367 A 20201028; CN 202180065490 A 20210223; EP 2021054376 W 20210223; EP 21706295 A 20210223; JP 2023519895 A 20210223; KR 20237010597 A 20210223; US 202118250000 A 20210223