

ABSTRACT

METHOD FOR SEPARATING PALLADIUM FROM OTHER METAL ELEMENTS PRESENT IN AN AQUEOUS NITRIC PHASE USING SPECIFIC MALONAMIDES AS EXTRACTANTS

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The present invention concerns a method for separating palladium from other metal elements contained in an aqueous nitric phase, consisting of (i) placing an aqueous nitric phase containing, in addition to palladium, at least one other metallic cation the valence of which is greater than or equal to 2, in contact with an organic phase that is immiscible with water, then (ii) separating the aqueous nitric phase and the organic phase in which the palladium has been extracted, said organic phase containing, as extractant, at least one malonamide comprising no sulfur atoms, of formula (I): $R_1(R_2)N-C(=O)-CH_2-C(=O)-N(R_3)R_4$ (I) in which the groups R1, R2, R3 and R4, identical or different, represent an alkyl, a heteroalkyl or an arylalkyl, said alkyl, heteroalkyl and arylalkyl comprising no sulfur atoms and each having at least 5 carbon atoms.

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[No figure]