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(54) Title (EN): CATALYST FOR VOC TREATMENT

(54) Title (FR): CATALYSEUR POUR TRAITEMENT DES COV

(54) Title (JA): VOC処理用触媒

(57) Abstract:

(EN): [Problem] To provide a catalyst which enables a treatment of a VOC containing an aromatic group and a treatment of a VOC containing no aromatic group to be performed at the same time within a temperature range lower than 300°C. [Solution] A catalyst for VOC treatment, which is obtained by having platinum directly supported by a cobalt-cerium composite oxide and is used for a VOC-containing gas combustion treatment, and which is characterized in that: the proportion of the mass of the cobalt-cerium composite oxide in the whole mass of the catalyst is 80% or more; and if a (unit: mass%) is the content of the platinum in the mass of the cobalt-cerium composite oxide, a is within the range of $0 < a \leq 20$. This catalyst may be or may not be supported by an inert carrier.

(FR): Le problème décrit par la présente invention est de fournir un catalyseur qui permet de traiter de manière simultanée un COV contenant un groupe aromatique et un COV ne contenant pas de groupe aromatique dans une plage de température inférieure à 300°C. La solution apportée par la présente invention est la fourniture d'un catalyseur pour le traitement des COV, qui est obtenu en ayant du platine directement supporté par un oxyde composite de cobalt et de cérium et est utilisé pour un traitement de combustion de gaz contenant des COV, et qui est caractérisé en ce que: la proportion de la masse de l'oxyde composite de cobalt-cérium dans la masse totale du catalyseur soit de 80% ou plus; et si a (unité: % en masse) est la teneur du platine dans la masse de l'oxyde composite de cobalt-cérium, a est dans la plage de $0 < a \leq 20$. Ce catalyseur peut être ou ne pas être supporté par un support inerte.

(JA): 【課題】芳香族を含むVOCとそれを含まないVOCを300°Cより低い温度領域で同時に処理することができる触媒を提供する。【解決手段】VOCを含有するガス燃焼処理用の、白金をコバルト・セリウム系複合酸化物上に直接担持させたVOC処理用触媒であって、触媒全体の質量に占めるコバルト・セリウム系複合酸化物の質量割

合が80%以上であり、コバルト・セリウム系複合酸化物の質量に占める白金の含有量をa(単位:質量%)とすると、 $0 < a \leq 20$ の範囲であることを特徴とする。不活性担体に担持させてもよいし、させなくてもよい。

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