

Title (en)  
SORTING METHOD FOR EXHAUST CATALYSTS ACCORDING TO THE CATALYST METALS

Title (de)  
SORTIERMETHOD VON GEBRAUCHTEN KATALYSATOREN GEMÄSS DEN METALLEN DER KATALYSATOREN

Title (fr)  
PROCEDE DE TRI DE CATALYSEURS USES EN FONCTION DES METAUX DE CES CATALYSEURS

Publication  
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Application  
**EP 14805311 A 20141201**

Priority  
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Abstract (en)  
[origin: WO2015082424A1] The invention concerns a method for separating at least one catalyst from a mixture of catalysts homogeneous in shape, the catalysts comprising at least one metal chosen from the group formed by Ni, Co, Mo, W, the catalyst to be separated comprising a characteristic metal chosen from the group formed by Ni, Co, Mo, W and the other catalysts of the mixture not containing said characteristic metal, method in which - the catalyst grains of said mixture move past the LIBS (Laser Induced Breakdown Spectrometry) detection system • - the presence of said characteristic metal in the catalysts is detected by the LIBS technique, the wavelength being chosen to detect said characteristic metal • - the LIBS detection system sends a signal to a means for discharging the grains of the catalyst to be separated so as to separate said grains from the other catalysts of said mixture. The invention also concerns the associated device.

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Citation (search report)  
See references of WO 2015082424A1

Citation (examination)  
• US 2003132142 A1 20030717 - KUMAR PRADEEP [US]  
• ASIMELLIS G ET AL: "Platinum group metals bulk analysis in automobile catalyst recycling material by laser-induced breakdown spectroscopy", SPECTROCHIMICA ACTA. PART B: ATOMIC SPECTROSCOPY, NEW YORK, NY, US, US, vol. 63, no. 11, 1 November 2008 (2008-11-01), pages 1338 - 1343, XP025685358, ISSN: 0584-8547, [retrieved on 20081009], DOI: 10.1016/J.SAB.2008.09.016

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