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firing the coated catalyst carrier at a temperature in the range of 150° to 850° C. for a time in the range of from 0.5 to 20 hours and immersing the fired coated catalyst carrier in a solution containing a noble metal.

10. A method as claimed in claim 9, wherein said solution contains platinum and palladium.

11. A method as claimed in claim 9, further comprising firing the fired coated catalyst carrier after immersing in said solution.

12. A method as claimed in claim 9, wherein said alumina sol is prepared by using alumina whose starting material is boehmite, and the starting material of said activated alumina is boehmite.

13. A catalyst carrier for carrying a catalytic metal thereon, comprising:

- a monolithic carrier base;
- a high surface area coating formed on the surface of said monolithic carrier base, said high surface area coating is formed by firstly preparing a mixture containing not more than 20 parts by weight of alumina sol and one part by weight of activated alumina, said alumina sol containing 3 to 15 Wt % of alumina said activated alumina containing not less than 60 Wt % of delta-alumina, secondly coating said mixture onto the surface of said monolithic carrier base, thirdly drying the coated carrier base, and lastly firing the coated carrier base at a temper-

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ature in the range from 150° to 850° C. for a time in the range of from 0.5 to 20 hours.

14. A catalyst as claimed in claim 13, in which said alumina sol is prepared by using alumina whose starting material is boehmite, and the starting material of said activated alumina is boehmite.

15. A catalyst for purifying exhaust gases from automobile engines, comprising a monolithic carrier, a high surface area coating formed on the surface of said monolithic carrier, said high surface area coating being formed by firstly preparing a mixture containing not more than 20 parts by weight of alumina sol and one part by weight of activated alumina, said alumina sol containing 3 to 15 Wt % of alumina, said activated alumina containing not less than 60 Wt % of delta-alumina, secondary coating said mixture onto the surface of said monolithic carrier, thirdly drying the coated monolithic carrier, fourthly firing the coated catalyst carrier at a temperature in the range of 150° to 850° C. for a time in the range of from 0.5 to 20 hours, and lastly immersing the fired coated monolithic carrier in a solution containing a noble metal.

16. A catalyst as claimed in claim 15, in which said alumina sol is prepared by using alumina whose starting material is boehmite, and the starting material of said activated alumina is boehmite.

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