

Title (en)  
INSULATED ELECTRIC WIRE

Publication  
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Application  
**EP 90904938 A 19900326**

Priority  
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• JP 9000401 W 19900326

Abstract (en)  
[origin: WO9011603A1] An insulated electric wire of this invention is adapted to be used as a wire for wiring or as a wire for winding in a highly vacuum or high-temperature environment such as high-vacuum equipment or high-temperature equipment. This wire comprises a base member (1), a chromium oxide layer (2) and an oxide insulating layer (3). The base member (1) includes a conductor. The chromium oxide layer (2) is formed on the outer surface of the base member (1). The oxide insulating layer (3) is formed on the chromium oxide layer (2) by applying a precursor solution of a metal oxide based on the sol-gel method or an organic acid salt pyrolysis method. The insulated electric wire exhibits excellent flexibility as well as heat resistance and does not provide a source of gas adsorption.

IPC 1-7  
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IPC 8 full level  
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Citation (search report)  
• [X] EP 0292780 A1 19881130 - SUMITOMO ELECTRIC INDUSTRIES [JP]  
• See references of WO 9011603A1

Cited by  
EP0729157A1; EP0422679A3; EP0825704A3; EP0510258A1; US5350638A

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