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(54) **METAL-CARBONYL-CONTAINING FIRE EXTINGUISHING COMPOSITION**

(75) Inventors: **Wei Tian**, Xi'an (CN); **Tengfei Zhai**, Xi'an (CN); **Tao Ji**, Xi'an (CN)

(73) Assignee: **XI'AN WESTPACE FIRE TECHNOLOGY CO., LTD**, Xi'An, Shaanxi (CN)

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See application file for complete search history.

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Primary Examiner — Peter F Godenschwager
Assistant Examiner — Andrew J Oyer
(74) *Attorney, Agent, or Firm* — Novick, Kim & Lee, PLLC; Allen Xue

(57) **ABSTRACT**

A metal-carbonyl-containing fire extinguishing composition comprises metal carbonyl complexes. The fire extinguishing composition uses a pyrotechnic agent as a heat source and a power source. A high temperature in combustion of the pyrotechnic agent enables the fire extinguishing composition to decompose or react under heat; produced fire extinguishing substances are sprayed out together with the pyrotechnic agent, thereby achieving a fire extinguishing objective. In the fire extinguishing composition, by selecting preferable components and optimizing contents of the components, an optimum formula of the fire extinguishing composition is determined, thereby greatly improving the efficacy of the fire extinguishing composition. In addition, efficacies of the components in the fire extinguishing composition are fully utilized, which improves an effective utilization rate of the fire extinguishing composition.

15 Claims, No Drawings