



(72) IMAHASHI, Takeshi, JP

(71) KYOWA CHEMICAL INDUSTRY CO., LTD., JP

(51) Int.Cl.⁶ C08K 3/32, C08K 3/22

(30) 1998/04/28 (134339/98) JP

(30) 1999/02/04 (27840/99) JP

(54) **COMPOSITION DE RESINE ANTI-FEU ET UTILISATION DE
CELLE-CI**

(54) **FLAME-RETARDANT RESIN COMPOSITION AND ITS USE**

(57) A flame-retardant resin composition, which comprises 100 parts by weight of a synthetic resin having 70 to 100 % by weight of metallocene LLDPE, 20 to 100 parts by weight of a magnesium hydroxide having a BET specific surface area of 20 m²/g or less, an average secondary particle diameter of 5 µm or less, measured according to a laser diffraction scattering method, and a water-soluble sodium salt content of 500 ppm or less as a sodium, 1 to 20 parts by weight of red phosphorus having an average secondary particle diameter of 30 µm or less and 0.1 to 20 parts by weight of a carbon powder, the total of the magnesium hydroxide, the red phosphorus and the carbon powder being 120 parts by weight or less.

ABSTRACT

A flame-retardant resin composition, which comprises 100 parts by weight of a synthetic resin having 70 to 100 % by weight of metallocene LLDPE, 20 to 100 parts by weight of a magnesium hydroxide having a BET specific surface area of $20 \text{ m}^2/\text{g}$ or less, an average secondary particle diameter of $5 \text{ }\mu\text{m}$ or less, measured according to a laser diffraction scattering method, and a water-soluble sodium salt content of 500 ppm or less as a sodium, 1 to 20 parts by weight of red phosphorus having an average secondary particle diameter of $30 \text{ }\mu\text{m}$ or less and 0.1 to 20 parts by weight of a carbon powder, the total of the magnesium hydroxide, the red phosphorus and the carbon powder being 120 parts by weight or less.

