

United States Patent [19]

Nakamura et al.

[11] Patent Number: **4,658,092**

[45] Date of Patent: **Apr. 14, 1987**

[54] **EXPLOSION-PREVENTING SUSPENSION INSULATOR**

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[21] Appl. No.: **840,086**

[22] Filed: **Mar. 17, 1986**

[30] **Foreign Application Priority Data**
May 23, 1985 [JP] Japan 60-111157

[51] Int. Cl.⁴ **H01B 17/08**

[52] U.S. Cl. **174/182; 174/189; 174/196**

[58] Field of Search **174/182, 186, 188, 189, 174/194, 196**

[56] **References Cited**

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[57] **ABSTRACT**

An explosion-preventing suspension insulator includes an insulator body and a metal cap and a metal pin both being bonded to the insulator body by means of cement. A synthetic resin based electrical insulating film having a Young's modulus of elasticity of from 20,000 to 80,000 kgf/cm² is provided in a specific thickness on the inner surface of the metal cap and the outer surface of the metal pin at a portion where the metal pin is buried into the cement. The preferred thickness of each electrical insulating film is from 600 to 1,500 μm.

2 Claims, 5 Drawing Figures

