

[54] **ENZYME IMMOBILIZATION WITH AZIDO COMPOUNDS**

[75] **Inventors:** Sachio Miyairi, Chigasaki; Hideaki Tanaka, Hiratsuka; Akira Yabe, Fujisawa; Koichi Honda, Tokyo, all of Japan

[73] **Assignee:** Agency of Industrial Science & Technology, Ministry of International Trade & Industry, Tokyo, Japan

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[58] **Field of Search** 426/63, 68, DIG. 11

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,843,447	10/1974	Burkoth	195/68
3,959,078	5/1976	Guire	195/63
3,985,617	10/1976	Yagari et al.	195/63
4,004,979	1/1977	Arrameas et al.	195/68

Primary Examiner—David M. Naff
Attorney, Agent, or Firm—Oblon, Fisher, Spivak, McClelland & Maier

[57] **ABSTRACT**

A given enzyme is immobilized by a method comprising the steps of mixing the enzyme with an azido compound and a high molecular compound as a carrier, forming the resultant mixture in a desired shape, drying the formed mixture and exposing the formed and dried mixture to light for thereby causing the enzyme to be bound to the azido group of the azido compound and to be bound to the high molecular compound.

11 Claims, No Drawings