

United States Patent [19]

Matsuda et al.

[11] Patent Number: 4,740,534

[45] Date of Patent: Apr. 26, 1988

[54] SURGICAL ADHESIVE

[75] Inventors: Takehisa Matsuda, Minoo; Hiroo Iwata, Suita; Tetsuo Itoh, Shiga, all of Japan

[73] Assignee: Sanyo Chemical Industries, Ltd., Kyoto, Japan

[21] Appl. No.: 898,710

[22] Filed: Aug. 21, 1986

[30] Foreign Application Priority Data

Aug. 30, 1985 [JP]	Japan	60-192366
Aug. 30, 1985 [JP]	Japan	60-192367
Jun. 9, 1986 [JP]	Japan	61-134696

[51] Int. Cl.⁴ C08G 18/10

[52] U.S. Cl. 523/111; 523/118; 524/710; 524/783; 524/785; 524/791; 525/127; 528/76; 528/77; 528/78; 528/79; 528/904

[58] Field of Search 523/111, 118; 524/710, 524/783, 785, 791; 525/127; 528/76, 77, 78, 79, 904

[56] References Cited

U.S. PATENT DOCUMENTS

3,847,722	11/1974	Kistner	528/904
4,057,535	8/1977	Lipatova et al.	260/77.5
4,403,083	9/1983	Marans et al.	528/904
4,439,552	3/1984	Dedolph	528/904

OTHER PUBLICATIONS

Prog. Neurol. Surg., vol. 3, pp. 149-192, Handa et al., Encasement of Intercranial Aneurysms with Plastic Compounds, 1969.

Primary Examiner—Maurice J. Welsh
Attorney, Agent, or Firm—Oblon, Fisher, Spivak, McClelland & Maier

[57] ABSTRACT

Elastomeric or flexible surgical adhesives, comprising [A] NCO-terminated hydrophilic urethane prepolymer derived from hydrophilic polyether polyol of higher oxyethylene content, or combination of [A] with [B] unsaturated cyano compound containing cyano group attached to a carbon atom constituting the polymerizable double bond, are used for bonding of tissues, with rapid cure rate and sufficient bonding power.

15 Claims, No Drawings