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New Polymeric Biomaterials

Tech ID: 18836 / UC Case 2004-635-0

TECHNOLOGY DESCRIPTION

The invention is on new polymeric biomaterials. The new biomaterials were created by chemical synthesis with carbohydrates and amino acids as building blocks. The biopolymers have a specific alternating structure between carbohydrate and peptide units.

APPLICATIONS

The new biomaterials can also be used for many other biomedical and biotechnology applications such as: implants, prosthesis, tissue engineering, drug delivery, sensors, substrates for enzyme-linked immunosorbent assays (ELISAS), materials for use in contact lenses, and implanted devices. One application of them is as gene delivery vectors for gene therapy.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,238,697	01/19/2016	2004-635

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OTHER INFORMATION

KEYWORDS

biomaterial, polymeric

CATEGORIZED AS

- » **Biotechnology**
 - » Other
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 - » Biological
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