

Title (en)
BIOADHESIVES

Publication
EP 0332660 A4 19901205 (EN)

Application
EP 88900964 A 19871124

Priority
• US 8245687 A 19870807
• US 93394586 A 19861124

Abstract (en)
[origin: WO8803953A1] Vectors that are capable of expressing, in microbial transformants, a protein having the native amino acid sequence of a bioadhesive precursor protein of a marine animal selected from the group consisting of mussels, barnacles, and oysters. The bioadhesive precursor protein can be expressed in transformants, recovered and converted to a bioadhesive protein by hydroxylation.

IPC 1-7
C12P 21/00; **C12N 15/00**; **C12N 1/18**; **C12N 1/20**

IPC 8 full level
C12N 15/09 (2006.01); **C07K 14/00** (2006.01); **C07K 14/435** (2006.01); **C07K 19/00** (2006.01); **C09J 189/00** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 9/16** (2006.01); **C12N 9/64** (2006.01); **C12N 15/71** (2006.01); **C12N 15/81** (2006.01); **C12P 21/02** (2006.01); **C12R 1/19** (2006.01); **C12R 1/865** (2006.01)

CPC (source: EP)
C07K 14/435 (2013.01); **C09J 189/00** (2013.01); **C12N 9/16** (2013.01); **C12N 9/6481** (2013.01); **C12N 15/71** (2013.01); **C12N 15/81** (2013.01); **C07K 2319/00** (2013.01); **C07K 2319/02** (2013.01)

Citation (search report)
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• US 4496397 A 19850129 - WAITE J HERBERT [US]
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• [A] BIOCHIM. BIOPHYS. ACTA 1986, vol. 872, nos. 1-2, 1986, pages 98-103; K. MARUMO et al.: "Optimization of hydroxylation of tyrosine and tyrosine-containing peptides by mushroom tyrosinase"
• [X] SCIENCE, vol. 212, 29th May 1981, pages 1038-1040, AAAS; J.H. WAITE et al.: "Polyphenolic substance of Mytilus edulis: Novel adhesive containing L-dopa and hydroxyproline"
• [A] CHEMICAL ABSTRACTS, vol. 105, no. 21, 24th November 1985, abstract no. 186489f, Columbus, Ohio, US; K. MARUMO et al.: "Optimization of hydroxylation of tyrosine and tyrosine-containing peptides by mushroom tyrosinase", & BIOCHIM. BIOPHYS. ACTA 1986, 872(1-2), 98-103
• [A] GENETIC ENGINEERING NEWS, 14th April 1985; R. JOHNSON: "Genex seeks to clone mussel glue protein"
• See references of WO 8803953A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8803953 A1 19880602; AU 1180488 A 19880616; DK 414688 A 19880722; DK 414688 D0 19880722; EP 0332660 A1 19890920; EP 0332660 A4 19901205; JP H02501706 A 19900614

DOCDB simple family (application)
US 8703048 W 19871124; AU 1180488 A 19871124; DK 414688 A 19880722; EP 88900964 A 19871124; JP 50132588 A 19871124