

Title (en)
SILK POLYPEPTIDES

Title (de)
SEIDENPOLYPEPTIDE

Title (fr)
POLYPEPTIDES DE SOIE

Publication
EP 2850191 A4 20160323 (EN)

Application
EP 13770285 A 20130326

Priority
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Abstract (en)
[origin: WO2013142901A1] The present disclosure provides polypeptides which encode a silk polypeptide, wherein at least a portion of the polypeptide has a coiled coil structure comprising at least 10 copies of the heptad sequence abcdefg, and wherein at least 25% of the amino acids at position a are alanine residues and at least 20% of the amino acids at position d are aromatic residues. The present disclosure also provides nucleic acids encoding such polypeptides, and recombinant cells and/or organisms which synthesize the polypeptides. The polypeptides can be used for a variety of purposes such as in the production of personal care products, plastics, textiles, and biomedical products.

IPC 8 full level
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CPC (source: EP)
C07K 14/43563 (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
• [E] WO 2013120143 A1 20130822 - COMMW SCIENT IND RES ORG [AU]
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• See references of WO 2013142901A1

Designated contracting state (EPC)
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