

Title (en)  
COMPOSITIONS AND METHODS FOR REGULATING HAIR GROWTH

Title (de)  
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR REGULATION DER HAARWACHSTUMS

Title (fr)  
COMPOSITIONS ET PROCEDES DE REGULATION DE LA CROISSANCE DES CHEVEUX

Publication  
**EP 0821592 A4 20000301 (EN)**

Application  
**EP 96912950 A 19960419**

Priority  
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Abstract (en)  
[origin: WO9632961A1] A method of modulating hair growth by contacting selected cells with a selected growth-modulating molecule is provided. A method for hair reconstitution or transplantation by expanding selected cells in vitro and combining them with other cells that regulate hair growth are also provided. Compositions containing a growth-modulating molecule which is synthesized by follicular cells and which undergoes hair-cycle-dependent concentration changes in hair follicles are also provided.

IPC 1-7  
**A61K 38/48**; **C12N 5/00**; **A61K 38/57**; **A61K 38/19**; **A61K 35/36**; **A61K 7/06**

IPC 8 full level  
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CPC (source: EP)  
**A61P 43/00** (2017.12); **C12N 5/0627** (2013.01); **C12N 2501/998** (2013.01)

Citation (search report)  
• [DA] WO 9501423 A1 19950112 - UNIV PENNSYLVANIA [US], et al  
• [A] S. ARASE ET AL.: "CO-CULTURE OF HUMAN HAIR FOLLICLES AND DERMAL PAPILLAE IN A COLLAGEN MATRIX.", THE JOURNAL OF DERMATOLOGY, vol. 17, no. 11, November 1990 (1990-11-01), TOKYO, JP, pages 667 - 676, XP000857988  
• [PX] D.-W. YU ET AL.: "MESSAGE OF NEXIN 1, A SERINE PROTEASE INHIBITOR, IS ACCUMULATED IN THE FOLLICULAR PAPILLA DURING ANAGEN OF THE HAIR CYCLE.", JOURNAL OF CELL SCIENCE, vol. 108, no. 12, December 1995 (1995-12-01), LONDON, GB, pages 3867 - 3874, XP000857962  
• See references of WO 9632961A1

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