

Title (en)

VACCINE FOR THE PREVENTATIVE TREATMENT OF INFECTION OF LIVER FLUKE IN RUMINANTS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9008819A1] A vaccine for the preventative treatment for infection of liver fluke in ruminant animals where the antigen is glutathione-S-transferase extracted from adult worms of *F. hepatica*. The antigen may also be synthetic equivalent molecules and equivalent molecules prepared by recombinant DNA techniques. Methods of preparation, and use are also disclosed.

IPC 1-7

**C12N 9/10**; C07H 21/04; C12P 21/08; A61K 37/52; A61K 39/002

IPC 8 full level

**A61K 38/45** (2006.01); **A61K 39/002** (2006.01); **A61K 39/395** (2006.01); **A61P 33/02** (2006.01); **C07H 21/04** (2006.01); **C07K 1/22** (2006.01); **C07K 7/06** (2006.01); **C07K 7/08** (2006.01); **C07K 14/00** (2006.01); **C07K 16/00** (2006.01); **C12N 9/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/54** (2006.01); **C12P 21/08** (2006.01); **A61K 38/00** (2006.01)

IPC 8 main group level

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Citation (search report)

- Proceedings of the National Academy of Sciences of USA, Vol. 83, No. 22, November 1986, Washington US, pages 8703-8707; D.B. SMITH et al.: "Mr 26,000 antigen of schistosoma japonicum recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase", the whole document.
- EMBO Journal, Vol. 7, No. 2, February 1988, Eynsham, Oxford GB, pages 465-472; J.B. TAYLOR et al.: "The glutathione transferase activity and tissue distribution of a cloned Mr 28K protective antigen of schistosoma mansoni", the whole document.
- Nature, Vol. 316, No. 6023, July 4, 1985, London, GB, pages 74-76; J.M. GRZYCH et al.: "An anti-idiotypic vaccine against experimental schistosomiasis", the whole document.
- See references of WO 9008819A1

Designated contracting state (EPC)

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