

Title (en)  
METHOD OF TREATING UNDESIRE UTERINE CONTRACTIONS USING OPTICALLY PURE R- OR RR-ISOMERS OF ADRENERGIC BETA-2 AGONISTS

Title (de)  
METHODE ZUR BEHANDLUNG UNERWÜNSCHTER UTERUSKONTRAKTIONEN UNTER VERWENDUNG VON OPTISCH REINEN R- ODER RR-ISOMEREN VON ADRENERGEN BETA-2-AGONISTEN

Title (fr)  
PROCEDE DE TRAITEMENT DES CONTRACTIONS UTERINES INDESIRABLES PAR UTILISATION D'ISOMERES R OU RR OPTIQUEMENT PURS D'AGONISTES -g(b)-2 ADRENERGIQUES

Publication  
**EP 0892639 A4 19990609 (EN)**

Application  
**EP 97905640 A 19970128**

Priority  
• US 9701342 W 19970128  
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• US 2299596 P 19960802

Abstract (en)  
[origin: WO9726871A1] A method of preventing or inhibiting undesired uterine contractions in a female individual by administering a pure eutomer of an adrenergic beta-2 agonist which relaxes uterine smooth muscle, while eliminating side effects caused by the distomer. The method is particularly useful in treating both pregnant and non-pregnant subjects that have demonstrated a propensity for undesired uterine contractions, while reducing side effects in the patients and/or their fetuses, such as bronchial hyperreactivity, tremor, nervousness, shakiness, dizziness, increased appetite and cardiac tachycardia. Importantly, administration of a pure eutomer also eliminates undesired contractions of the uterine smooth muscle while avoiding the uterine hyperreactivity that has now been found to be induced by the S- or SS-isomers of beta-2 agonists.

IPC 1-7  
**A61K 31/195**

IPC 8 full level  
**A61K 31/137** (2006.01); **A61K 31/138** (2006.01)

CPC (source: EP)  
**A61K 31/137** (2013.01); **A61K 31/138** (2013.01)

Citation (search report)  
• [Y] EP 0455155 A1 19911106 - BOEHRINGER INGELHEIM VETMED [DE]  
• [YX] EP 0043807 A2 19820113 - DRACO AB [SE]  
• [Y] WO 9216173 A1 19921001 - SEPRACOR INC [US]  
• [Y] BORGSTRÖM L. ET AL: "Relative absorption of the two enantiomers of terbutaline after duodenal administration", EUR. J. CLIN. PHARMACOL., vol. 38, no. 6, 1990, pages 621 - 624, XP002097503  
• See references of WO 9726871A1

Designated contracting state (EPC)  
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