(12) STANDARD PATENT

(11) Application No. AU 2010326798 B2

(19) AUSTRALIAN PATENT OFFICE

(54) Title

Combinations of a muscarinic receptor antagonist and a beta-2 adrenoreceptor agonist

(51) International Patent Classification(s)

 A61K 31/138 (2006.01)
 A61P 11/06 (2006.01)

 A61K 31/439 (2006.01)
 A61P 11/08 (2006.01)

A61K 45/06 (2006.01)

(21) Application No: **2010326798** (22) Date of Filing: **2010.11.29**

(87) WIPO No: WO11/067212

(30) Priority Data

(31) Number (32) Date (33) Country **0921075.8 2009.12.01 GB**

(43) Publication Date: **2011.06.09** (44) Accepted Journal Date: **2014.08.07**

(71) Applicant(s)

Glaxo Group Limited

(72) Inventor(s)

Baker, Darrell; Bruce, Mark; Crater, Glenn; Noga, Brian; Thomas, Marian; Wire, Patrick

(74) Agent / Attorney

Phillips Ormonde Fitzpatrick, 367 Collins Street, Melbourne, VIC, 3000

(56) Related Art

LAINE D et al., Journal of Medicinal Chemistry, April 2009, Vol. 52, No. 8, pages 2493-2505

WO2003/024439A1

WO2005/104745A2