

**(19) AUSTRALIAN PATENT OFFICE**

(54) Title  
**Novel thio-containing hydroxy-6-phenylphenanthridines and their use as PDE4 inhibitors**

(51)<sup>6</sup> International Patent Classification(s)  
**C07D 221/12 (2006.01)20060101AFI20060408**  
**C07D 221/12 BMEP**  
**PCT/EP2005/051052**

(21) Application No: **2005221831** (22) Application Date: **2005 .03 .09**

(87) WIPO No: **WO05/087744**

(30) Priority Data

(31) Number	(32) Date	(33) Country
<b>05100692.2</b>	<b>2005 .02 .01</b>	<b>EP</b>
<b>04100988.7</b>	<b>2004 .03 .10</b>	<b>EP</b>

(43) Publication Date : **2005 .09 .22**

(71) Applicant(s)  
**ALTANA Pharma AG**

(72) Inventor(s)  
**Zitt, Christof; Barsig, Johannes; Kley, Hans-Peter; Flockerzi, Dieter; Schmidt, Beate ; Kautz, Ulrich; Hatzelmann, Armin; Marx, Degenhard**

(74) Agent/Attorney  
**Griffith Hack, 509 St Kilda Road, Melbourne, VIC, 3004**