

**(19) AUSTRALIAN PATENT OFFICE**

(54) Title  
**STEPPING INDUCTOR FOR FAST TRANSIENT RESPONSE OF SWITCHING CONVERTER**

(51)<sup>6</sup> International Patent Classification(s)  
**H02M 003/00**

(21) Application No: **2003203135** (22) Application Date: **2003.01.22**

(87) WIPO No: **WO04/038903**

(30) Priority Data

|                   |                   |              |
|-------------------|-------------------|--------------|
| (31) Number       | (32) Date         | (33) Country |
| <b>10/279,521</b> | <b>2002.10.24</b> | <b>US</b>    |

7

(43) Publication Date : **2004.05.13**

(43) Publication Journal Date : **2004.06.17**

(71) Applicant(s)  
**THE UNIVERSITY OF HONG KONG**

(72) Inventor(s)  
**POON, Ngaikit, Franki; PONG, Manhay; LIU, Chuipong, Joe**