

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vijay G. Phadke</td> <td>10/05/2009</td> </tr> <tr> <td>Gordon Currie</td> <td>10/05/2009</td> </tr> <tr> <td>Arlaindo V. Asuncion</td> <td>10/02/2009</td> </tr> <tr> <td>Israel Beltran</td> <td>09/29/2009</td> </tr> <tr> <td>Melvin Co</td> <td>10/02/2009</td> </tr> </tbody> </table>		Name	Execution Date	Vijay G. Phadke	10/05/2009	Gordon Currie	10/05/2009	Arlaindo V. Asuncion	10/02/2009	Israel Beltran	09/29/2009	Melvin Co	10/02/2009
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RECEIVING PARTY DATA													
Name:	Astec International Limited												
Street Address:	2 Wing Yip Street												
Internal Address:	16/F & 17/F Lu Plaza												
City:	Kwun Tong, Kowloon												
State/Country:	HONG KONG												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12569992</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12569992								
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CORRESPONDENCE DATA													
Fax Number:	(314)726-7501												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	314-726-7500												
Email:	mjtefile@hdp.com												
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Address Line 2:	Suite 400												
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ATTORNEY DOCKET NUMBER:	9676A-000109/US												
NAME OF SUBMITTER:	Michael J. Thomas												

CH \$40.00 12569992

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**PATENT
 REEL: 023382 FRAME: 0592**

Total Attachments: 6

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ASSIGNMENT

Atty. Docket No. 9676A-000109/US

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

AC-DC SWITCHING POWER CONVERTERS WITH FREQUENCY VARIATION IN RESPONSE TO LOAD CHANGES

which is the subject of a United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) executed on _____, _____, _____;
- (c) filed on _____, and assigned Serial No. _____ or PCT International Application No. _____;
- (d) U.S. Patent No. _____, issued _____, and presently assigned as evidenced at Reel _____, Frame _____; or
- (e) entitled above and naming the undersigned inventors in this provisional patent application; and

Astec International Limited, a Hong Kong corporation having an address of 16/F & 17/F, Lu Plaza, 2 Wing Yip Street, Kwun Tong, Kowloon, Hong Kong, hereinafter referred to as Assignee, is desirous of acquiring Assignor's interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

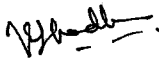
Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.


Assignor hereby authorizes an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. 12/569,992, filed September 30, 2009) the filing date and application number of said application when known.

ASSIGNMENT

By: 
Vijay G. Phadke (First inventor)

Date: October 05, 2009

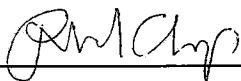
Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: 

Printed Name: ROCHIE LIGAYA LIBBY

Home Address: C3, 6H CAMBRIDGE VILL.,
FLOODWAY, CAINTA, RIZAL
1900

Date: 5 OCT 2009


Witnessed by: 

Printed Name: RICHARD CALIBANG

Home Address: 40 KINZAW RD. BREGY APOLONIO
SAMSON, QUEZON CITY,
PHILIPPINES


Date: 5 OCT 2009

ASSIGNMENT

By: 
Gordon Currie (Second inventor)

Date: 5-OCT-2009

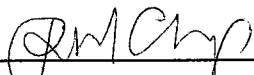
Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: 

Printed Name: ROCHIE LIGAYA LIBBY

Home Address: C3, CH CAMBRIDGE VILL.,
FLOODWAY, CAINTA, PUAL
1900

Date: 05-OCT-2009

Witnessed by: 

Printed Name: RICHARD CAIBANG

Home Address: 40 KANDIN RD, BRGY APOLOMIO
SAMSON, QUEZON CITY,
PHILIPPINES


Date: 5-OCT-2009

ASSIGNMENT

By: 
Arlaindo V. Asuncion (Third inventor)

Date: 02 - OCT - 2009


Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: 

Printed Name: ROCIO LIGAYA LIBBY

Home Address: 03, 6H CAMBRIDGE VILL.,
FLORWAY, CAINTA, RIZAL
1900

Date: 2 OCT 09


Witnessed by: 

Printed Name: RICHARD CAUBANG

Home Address: 40 KANGIN RD, BIRGY APOLONIO
SAMSON, QUEZON CITY,
PHILIPPINES


Date: 2 OCT 2009

ASSIGNMENT

By: 
Israel Beltran (Fourth inventor)

Date: SEPT. 29, 2009


Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: 

Printed Name: FAI CHEUNG

Home Address: 38D, REGENT ON THE HILL,
DIAMOND HILL, KOWLOON,
HONG KONG

Date: 29 Sept. 2009

Witnessed by: 

Printed Name: WL CHENG

Home Address: No. 68 G/F, PO SAM PAI
VILLAGE, TUNG KOK RD.
PLANTER COVE, TAIP O, HONG KONG.

Date: 29-Sep-2009

ASSIGNMENT

By: Michael G.
Melvin Co (Fifth inventor)

Date: 02- OCT- 2009

Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: ROCHIE ^{Moby} UGAYA LIBBY

Printed Name: _____

Home Address: 03, GH CAMBRIDGE VILL., FLOODWAY,
CAINTA, RIZAL 1900

Date: 2 OCT- 09

Witnessed by: RMCamp

Printed Name: RICHARD CALIBANG

Home Address: 40 KANGIN RD, BRGY APOLODIO
SAMSON, QUEZON CITY,
PHILIPPINES

Date: 2 OCT 2009