

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert J. Heideman</td> <td>09/17/2004</td> </tr> <tr> <td>Dan M. Ionel</td> <td>09/17/2004</td> </tr> </tbody> </table>		Name	Execution Date	Robert J. Heideman	09/17/2004	Dan M. Ionel	09/17/2004
Name	Execution Date						
Robert J. Heideman	09/17/2004						
Dan M. Ionel	09/17/2004						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	A.O. Smith Corporation						
<b>Street Address:</b>	11270 West Park Place						
<b>City:</b>	Milwaukee						
<b>State/Country:</b>	WISCONSIN						
<b>Postal Code:</b>	53224						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11561585</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11561585		
Property Type	Number						
Application Number:	11561585						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(414)277-0656						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Phone:</b>	414-271-6560						
<b>Email:</b>	mkeipdocket@michaelbest.com						
<b>Correspondent Name:</b>	Michael Best & Friedrich LLP						
<b>Address Line 1:</b>	100 East Wisconsin Avenue						
<b>Address Line 2:</b>	Suite 3300						
<b>Address Line 4:</b>	Milwaukee, WISCONSIN 53202-4108						
<b>ATTORNEY DOCKET NUMBER:</b>	010121/9979US01						
<b>NAME OF SUBMITTER:</b>	Thomas J. Otterlee						
<b>Total Attachments: 2</b> source=ASS00#page1.tif source=ASS00#page2.tif							

CH \$40.00 11561585

## ASSIGNMENT

Pursuant to our obligation to A. O. Smith Corporation (hereinafter referred to as "Assignee"), a Delaware Corporation having its principal place of business at:

11270 West Park Place  
Milwaukee, WI 53224

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Robert J. Heideman  
4889 Hwy H West  
Kewaskum, WI 53040

Dan M. Ionel  
7800 N. Regent Rd.  
Fox Point, WI 53217

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to an invention entitled "Spoke Permanent Magnet Rotor" for which we have executed a United States Patent Application on even date herewith (Atty. File No. 010121-9979-00);

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the United States patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on said United States application.

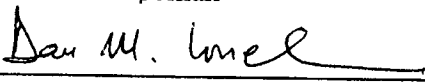
And we hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to Assignee.

9/17/04  
Date

9/17/2004  
Date

  
Robert J. Heideman

  
Dan M. Ionel