

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>	
<b>Name</b>	<b>Execution Date</b>
SANG-WOO KIM	03/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MYUNGHWA IND. CO., LTD.
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<b>Postal Code:</b>	08524
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15509854
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<b>Fax Number:</b>	(866)613-4307
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<b>ATTORNEY DOCKET NUMBER:</b>	2170-048
<b>NAME OF SUBMITTER:</b>	HYUN YONG LEE
<b>SIGNATURE:</b>	/Hyun Yong Lee/
<b>DATE SIGNED:</b>	03/09/2017
<b>Total Attachments: 2</b>	
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ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

Title of  
Invention:

VANE PUMP AND DETERMINING METHOD FOR INNER  
PROFILE OF CAM RING COMPOSING THEREOF

As a below named inventor and Assignor, I declare that:

This assignment and declaration are directed to:

- The attached application, or
- United States application or PCT international application number  
PCT/KR2017/000817 filed on January 24, 2017

The above-identified Application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

**MYUNGHWA IND. CO., LTD.**  
290-28, Doksan-dong, Geumcheon-gu,  
Seoul 08524, Republic of Korea

MYUNGHWA IND. CO., LTD. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the invention in any and all countries, including (without limitation) all rights to claim priority

