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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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**PRAXAIR DISTRIBUTION, INC.**  
*Petitioner*

v.

**MALLINCKRODT HOSPITAL PRODUCTS IP LTD.,**  
*Patent Owner*

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Case IPR2015-00529  
Patent 8,846,112

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**PETITIONER'S NOTICE OF APPEAL**  
**37 C.F.R. § 90.2(a)**

IPR2015-00529

U.S. Patent No. 8,846,112

Pursuant to 37 C.F.R. § 90.2(a), notice is hereby given that Petitioner Praxair Distribution, Inc. (“Petitioner”) hereby appeals to the United States Court of Appeals for the Federal Circuit under 35 U.S.C. §§ 141 and 142 from the Final Written Decision of the Patent Trial and Appeal Board entered on July 7, 2016 (Paper 53) (the “Final Written Decision”) and from all underlying order, decisions, rulings and opinions.

In accordance with 37 C.F.R. § 90.2(a)(3)(ii), the expected issues on appeal include, but are not limited to, the Patent Trial and Appeal Board’s construction of the claim term “in accordance with” and determination of patentability of claim 9 of U.S. Pat. No. 8,846,112 in the Final Written Decision, and any finding or determination supporting or related to those issues, as well as other issues decided adversely to Petitioner in any orders, decisions, rulings and opinions.

Simultaneously with this submission, a copy of this Notice of Appeal is being filed with the Patent Trial and Appeal Board. In addition, three copies of this Notice of Appeal, along with the required docketing fees, are being filed with the Clerk’s Office for the United States Court of Appeals for the Federal Circuit.

IPR2015-00529  
U.S. Patent No. 8,846,112

Date: September 6, 2016

Respectfully Submitted,

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**Certification of Service Under 37 C.F.R. § 42.6(e)(4)**

A copy of this Notice of Appeal has been served to counsel for the Patent Owner at the following email addresses on this 6th of September 2016:

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