## UNITED STATES PATENT AND TRADEMARK OFFICE

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### BEFORE THE PATENT TRIAL AND APPEAL BOARD

### UMICORE AG & CO. KG

Petitioner

v.

### **BASF CORPORATION**

Patent Owner

Case IPR2015-01124 U.S. Patent 8,404,203

### LISTING OF EXHIBITS

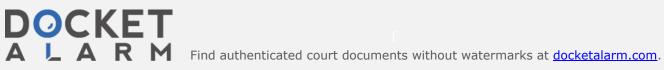


# LISTING OF EXHIBITS

Exhibit 1101	U.S. Patent No. 7,601,662 to Bull et al.
Exhibit 1102	U.S. Patent No. 4,046,888 to Maeshima et al.
Exhibit 1103	U.S. Patent No. 4,503,023 to Breck, deceased et al.
Exhibit 1104	U.S. Patent No. 6,709,644 to Zones et al.
Exhibit 1105	U.S. Patent Application Publication No. US 2006/0039843 to Patchett et al.
Exhibit 1106	U.S. Patent Application Publication No. US 2005/0031514 to Patchett et al.
Exhibit 1107	Dedecek et al., "Siting of the Cu+ Ions in Dehydrated Ion Exchanged Synthetic and Natural Chabasites: a Cu+ Photoluminescence Study" Microporous and Mesoporous Materials, Vol. 32, pp. 63-74 (1999).
Exhibit 1108	Expert Declaration of Johannes A. Lercher, Ph.D
Exhibit 1109	Excerpts from File History of U.S. Patent No. 7,601,662 to Bull et al. and Reexamination No. 95/001,453
Exhibit 1110	U.S. Patent No. 4,961,917 to Byrne
Exhibit 1111	U.S. Patent No. 5,516,497 to Speronello et al.
Exhibit 1112	Ishihara et al., "Copper Ion-Exchanged SAPO-34 as a Thermostable Catalyst for Selective Reduction of NO with C3H6," 169 Journal of Catalysis 93-102 (1997)
Exhibit 1113	U.S. Patent No. 4,297,328 to Ritscher et al.
Exhibit 1114	Chung, S.Y. et al., "Effect of Si/Al Ratio of Mordenite and ZSM-5 Type Zeolite Catalysts on Hydrothermal Stability for NO Reduction by Hydrocarbons," Studies in Surface Science and Catalysis, vol. 130, pp. 1511-1516 at 1513 (2000)
Exhibit 1115	Declaration of Dr. Frank-Walter Schütze



Exhibit 1116	Declaration of K. Patrick Herman in Support of Motion for <i>Pro Hac Vice</i> Admission Pursuant to 37 C.F.R. § 42.10(c)
Exhibit 1117	Unused
Exhibit 1118	Demonstrative Exhibit from the 4/12/2016 Deposition of Michael Tsapatsis, Ph.D.
Exhibit 1119	Transcript of the 4/12/2016 Deposition of Michael Tsapatsis, Ph.D.
Exhibit 1120	Transcript of the 4/29/2016 Deposition of Olivia Schmidt
Exhibit 1121	WO 2014/161860 and English Machine Translation



#### **CERTIFICATE OF SERVICE**

The undersigned hereby confirms that the foregoing LISTING OF EXHIBITS was served on May 24, 2016 via e-mail upon the following counsel of record for Patent Owner:

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