

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	GEOMETRIC LIMITED	03/02/2017
RECEIVING PARTY DATA		
Name:	HCL TECHNOLOGIES LIMITED	
Street Address:	806, SIDDHARTH, 96, NEHRU PLACE	
City:	NEW DELHI	
State/Country:	INDIA	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	7042451
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NAME OF SUBMITTER:	BENJAMIN C. STASA	
SIGNATURE:	/Benjamin C. Stasa/	
DATE SIGNED:	06/21/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4		
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CONFIRMATORY PATENT AND TRADEMARK ASSIGNMENT

THIS CONFIRMATORY PATENT AND TRADEMARK ASSIGNMENT ("Assignment") is by and between GEOMETRIC LIMITED, an Indian Corporation ("Assignor"), and HCL TECHNOLOGIES LIMITED, an Indian Corporation, with its principal place of business at 806, Siddharth, 96, Nehru Place, New Delhi, Delhi in the State of Delhi ("Assignee").

WHEREAS, Assignor and Assignee were parties to a "Composite Scheme of Arrangement and Amalgamation" ("the Scheme") approved by the High Court of Bombay on December 2, 2016, by which all of Assignor's IP was assigned to Assignee, including the patents and trademarks identified in the attached Schedules 1 and 2;

WHEREAS, Assignor is the owner of the patents and trademarks identified in Schedules 1 and 2, and applications/registrations thereof in the United States Patent and Trademark Office;

WHEREAS, Assignor, in connection the Scheme, wishes to assign to Assignee, and Assignee is desirous of acquiring said patents and trademarks and the applications/registrations thereof;

WHEREAS, Assignor is assigning the marks identified in Schedule 2 as part of the entire business or portion thereof to which the marks pertain as required by 15 U.S.C. §1060;

NOW, THEREFORE, for good and valuable consideration, receipt of which are hereby acknowledged, said Assignor does hereby assign unto the said Assignee all rights, title and interest in and to the said patents and trademarks, together with the goodwill of the business symbolized by the trademarks, and the right to sue, and recover for past,

present or future infringement, or other unauthorized use of the patents and trademarks assigned hereunder.

GEOMETRIC LIMITED, Assignor

By: by atty

Name: Pallavi Pathak

Title: Global Head - legal

Dated: 2nd March, 2017

SCHEDULE 1**U.S. PATENTS**

Description	Status	Patent No.
AUTOMATIC RECOGNITION AND SUPPRESSION OF COMPLEX INTERACTING HOLES	Patent granted on 22 July 2003	US 6,597, 355 B1
METHOD FOR RECOGNIZING BLENDS IN SOLID MODELS	Patent granted on 6 July 2004	6,760,038
USAGE OF SPECIFIC ATTRIBUTES AND GRAPH GRAMMARS IN GRAPH-BASED TECHNIQUES IN FEATURE RECOGNITION	Patent granted on 9 May 2006	US 7,042,451 B1
METHODS FOR REMOVING BLENDS IN B-REP MODELS	Patent granted on 26 June 2007	US 7,236,168 B2
A FAST 3D SHAPE SEARCH METHOD FOR 3D Cax/PDM REPOSITORIES (3DSearchIT)	Patent granted on 8 July 2008	7,397,473
METHOD AND SYSTEM FOR 3D OBJECT POSITIONING IN 3D VIRTUAL ENVIRONMENTS (functionality used in 3DPaintBrush / Glovius)	Patent granted on 17 July 2012	8,223,145
MANUFACTURABILITY EVALUATION OF INJECTION MOLDED PLASTIC MODELS USING A CAD BASED DFX EVALUATION SYSTEM (DFMPro)	Patent granted on 10 July 2012	8,219,230
AUTO-OPTIMIZING OUT-OF-CORE METHOD AND SYSTEM FOR RENDERING OF LARGE ENGINEERING 3D CAD ASSEMBLIES ON HANDHELD DEVICES (Glovius - loading large assemblies)	Patent granted on 27 Dec. 2016	US 9,529,942 B1
METHODS AND SYSTEMS FOR FEATURE RECOGNITION (2.5D and 3D)	Application filed on 28-Aug-2014	14,471,666
SYSTEMS AND METHODS FOR BEVEL FEATURE RECOGNITION AND BEVEL PROFILE GENERATION	Application filed on 25-Feb-2015	14,631,040

SCHEDULE 2

U.S. TRADEMARKS

Trademark	App. No.	App. Date	Reg. No.	Reg. Date
3DSEARCHIT	76/626856	04-Jan-2005	3174610	21-Nov-2006
AMS4E and Design	86/053979	03-Sep-2013	4642278	18-Nov-2014
CAMWORKSXPRESS	85/317095	10-May-2011	4158976	12-Jun-2012
DFMPRO A GEOMETRIC PRODUCT	77/396138	13-Feb-2008	3841994	31-Aug-2010
FEATUREWORKS	75/474876	27-Apr-1998	2313225	01-Feb-2000
GEOMCALIPER	78/642214	02-Jun-2005	3262529	10-Jul-2007
GEOMETRIC	86/218653	12-Mar-2014	4737636	19-May-2015
GEOMETRIC and Design (CL 35)  Geometric	77/598692	23-Oct-2008	3820169	20-Jul-2010
GEOMETRIC and Design (CL 42)  Geometric	77/598705	23-Oct-2008	3976294	14-Jun-2011
GEOMETRIC DFX	86/351361	29-Jul-2014	4703468	17-Mar-2015
GEOMETRIC STACKUP	87/175778	19-Sep-2016		
GLOVIUS	85/331113	26-May-2011	4134358	01-May-2012
NESTLIB	75/289891	12-May-1997	2222253	09-Feb-1999