

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

WEATHERFORD U.S., L.P.,
Petitioner,

v.

HALLIBURTON ENERGY SERVICES, INC.,
Patent Owner.

Case No. IPR2024-00990
U.S. Patent No. 11,333,007

**DECLARATION OF STEPHEN MCNAMEE IN
SUPPORT OF WEATHERFORD U.S., L.P.'S PETITION FOR
INTER PARTES REVIEW OF U.S. PATENT NO. 11,333,007**

I, Stephen McNamee, hereby declare as follows:

1. My name is Stephen McNamee. I am over the age of twenty-one years, of sound mind, and capable of making the statements set forth in this Declaration. I am competent to testify about the matters set forth herein. All the facts and statements contained herein are within my personal knowledge and/or within my field of expertise, and they are true and correct to the best of my knowledge.

2. I have been employed by Weatherford U.S. L.P. since 2009. I was a Senior Design Engineer from 2009 to 2011. I then held a Project Engineer title from 2011 to 2012. From 2012 to 2022, I held the position of Engineering Supervisor. Since 2022, I have been in the position of Engineering Manager.

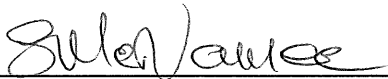
3. One of my responsibilities as Engineering Supervisor was to communicate with suppliers to determine what materials to purchase from which suppliers to manufacture our products. During the communication process with such suppliers, it was common for customers to request and suppliers to provide standard catalogs or parts lists that include product or material specification information. Persons, like myself, that work in this field know and understand that such materials can be requested from suppliers, and suppliers will provide customers copies of such materials under no obligation of confidentiality.

4. Based on my experience through my Engineering Supervisor responsibilities, I understood the Parts Number List from Fischer Stainless Steel

Tubing Canada (“Fischer”), attached hereto as Exhibit A, is an example of a standard parts list a materials vendor would supply its customers. This Parts Number List included material grades, dimensions, shapes, wall thicknesses, and material finishes for metal tubing material available for purchase from Fischer. A Weatherford representative requested such information from Fischer in January 2017, and Fischer provided Exhibit A in response via email on January 6, 2017 under no obligation of confidentiality.

5. I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true and that such statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Dated: 21 MAY 2024



Stephen McNamee

EXHIBIT A

P00 000 000 0 00000 = GR DIA WAL F LENGT: GR is GRADE, DIA is DIAMETER, WAL is WALL THICKNESS, F is FINISH, LENGT is LENGTH									
M = Raw Material		P = Standard Part		S = Cosmetic Part	T = Tubetech Part				
GRADE		DIAMETER inches(mm)		DIAMETER inches(mm)	DIAMETER inches(mm)	RECTANGLES in inches			
01 = 304		010 = 0.500 (12.70mm)		195 = 2.165 (55.0mm)	355 = 4.253 (108.02mm)	615 = 0.500 x 1.000 (1/2 x 1)			
02 = 309		020 = 0.625 (15.88mm)		197 = 2.205 (56.00mm)	357 = 4.354 (110.6mm)	619 = 0.500 x 1.500 (1/2 x 1 1/2)			
03 = 304 DIN Spec.		040 = 0.750 (19.05mm)		198 = 2.240 (56.9mm)	363 = 4.488 (114.0mm)	623 = 0.500 x 2.500 (1/2 x 2 1/2)			
04 = 321		046 = 0.787 (20.00mm)		199 = 2.244 (57.0mm)	365 = 4.500 (114.3mm)	627 = 0.750 x 1.000 (3/4 x 1)			
05 = 1.4828 DIN Spec.		050 = 0.840 (21.34mm)		200 = 2.250 (57.15mm)	368 = 4.724 (120.0mm)	630 = 0.750 x 1.250 (3/4 x 1 1/4)			
06 = 201		060 = 0.875 (22.22mm)		201 = 2.252 (57.2mm)	369 = 4.764 (121.0mm)	633 = 0.750 x 1.500 (3/4 x 1 1/2)			
07 = 201LN 1/4 HARD		062 = 0.906 (23.00mm)		202 = 2.260 (57.40mm)	370 = 4.811 (122.2mm)	635 = 0.750 x 2.000 (3/4 x 2)			
08 = LDX2101		068 = 0.984 (25.00mm)		203 = 2.283 (58.0mm)	371 = 4.831 (122.7mm)	643 = 1.000 x 1.500 (1 x 1 1/2)			
09 = NITRONIC 30		070 = 1.000 (25.4mm)		205 = 2.335 (59.30mm)	372 = 4.850 (123.2mm)	646 = 1.000 x 2.000 (1 x 2)			
10 = 301L-MT		075 = 1.031 (26.20mm)		206 = 2.350 (59.67mm)	374 = 4.882 (124.0mm)	647 = 1.000 x 2.500 (1 x 2 1/2)			
13 = 304 - 8.5 NICKEL		080 = 1.050 (26.70mm)		208 = 2.362 (60.00mm)	375 = 5.000 (127.0mm)	648 = 1.000 x 3.000 (1 x 3)			
18 = 18SR		090 = 1.125 (28.58mm)		210 = 2.375 (60.33mm)	376 = 4.940 (125.5mm)	650 = 1.250 x 1.500 (1 1/4 x 1 1/2)			
21 = 304/304L		095 = 1.181 (30.0mm)		211 = 2.382 (60.50mm)	377 = 5.031 (127.8mm)	653 = 1.250 x 1.750 (1 1/4 x 1 3/4)			
22 = 304L Cont'd Yield		097 = 1.213 (30.81mm)		214 = 2.411 (61.25mm)	378 = 5.079 (129.0mm)	656 = 1.250 x 2.000 (1 1/4 x 2)			
23 = 316/316L		100 = 1.250 (31.75mm)		215 = 2.436 (61.87mm)	379 = 5.189 (131.8mm)	658 = 1.250 x 2.500 (1 1/4 x 2 1/2)			
36 = 436		102 = 1.260 (32.00mm)		217 = 2.461 (62.50mm)	380 = 5.125 (130.2mm)	660 = 1.375 x 3.000 (1 3/8 x 3)			
37 = 436UF (Ultraform)		105 = 1.287 (32.7mm)		218 = 2.464 (62.59mm)	385 = 5.500 (139.7mm)	663 = 1.500 x 1.750 (1 1/2 x 1 3/4)			
40 = 409UF (Ultraform)		109 = 1.313 (33.34mm)		220 = 2.500 (63.5mm)	387 = 5.661 (143.8mm)	665 = 1.500 x 2.000 (1 1/2 x 2)			
41 = 409		110 = 1.315 (33.40mm)		223 = 2.560 (65.00mm)	390 = 6.000 (152.4mm)	667 = 1.500 x 2.500 (1 1/2 x 2 1/2)			
42 = 430		115 = 1.339 (34.01mm)		225 = 2.625 (66.68mm)	392 = 6.094 (154.8mm)	669 = 1.500 x 3.000 (1 1/2 x 3)			
43 = 439		120 = 1.375 (34.92mm)		227 = 2.673 (67.90mm)	395 = 6.197 (157.4mm)	670 = 1.500 x 4.000 (1 1/2 x 4)			
44 = 441		121 = 1.378 (35.00mm)		228 = 2.717 (69.00mm)	METRIC SIZES		671 = 1.750 x 2.125 (1 3/4 x 2 1/8)		
45 = 3CR12		126 = 1.449 (36.80mm)		229 = 2.751 (69.90mm)	722 = 15mm x 30mm		673 = 1.750 x 3.000 (1 3/4 x 3)		
46 = DIN 1.4003		127 = 1.457 (37.00mm)		230 = 2.750 (69.85mm)	740 = 25mm x 25mm		675 = 2.000 x 3.000 (2 x 3)		
47 = 439UF (Ultraform)		130 = 1.500 (38.1mm)		231 = 2.756 (N/A)	741 = 30mm x 30mm		680 = 2.000 x 4.000 (2 x 4)		
48 = 409 Special		136 = 1.575 (40.00mm)		232 = 70.00mm	743 = 30mm x 60mm		690 = 3.000 x 4.000 (3 x 4)		
49 = 409HP		140 = 1.625 (41.28mm)		233 = 2.772 (70.40mm)	745 = 40mm x 50mm		692 = 2.000 x 5.000 (2 x 5)		
50 = HSS441		145 = 1.654 (42.00mm)		234 = 2.858 (72.60mm)	750 = 40mm x 60mm		695 = 3.000 x 5.000 (3 x 5)		
60 = 18CrCb		150 = 1.660 (42.20mm)		235 = 2.875 (73.03mm)	755 = 50mm x 50mm		698 = 4.000 x 5.000 (4 x 5)		
61 = 409 Aluminized		154 = 1.681 (42.7mm)		236 = 2.921 (74.2mm)	757 = 50mm x 75mm				
62 = 409UF Aluminized		160 = 1.750 (44.45mm)		237 = 2.953 (75.0mm)	780 = 40mm x 120mm		SPECIAL SHAPES		
64 = NOVA UNS S41003		161 = 1.760 (44.70mm)		240 = 3.000 (76.2mm)	790 = 60mm x 120mm		540 = 1"x1"x1" TRIANGLE		
65 = UNS S41003		163 = 1.772 (45.00mm)		250 = 3.032 (77.00mm)	795 = 88.72mm x 133.07mm		541 = 0.560"x 1.560" OVAL		
75 = AL6XN		164 = 1.783 (45.30mm)		257 = 3.067 (77.9mm)	SQUARES in inches		542 = 0.750"x 2.000" OVAL		
77 = 700T (CARBON)		166 = 1.807 (45.89mm)		258 = 3.071 (78.0mm)	410 = 0.500 1/2		543 = 41.50mm x 28.70mm		
78 = T980Y700LCE		168 = 1.848 (47.00mm)		260 = 3.150 (80.00mm)	420 = 0.625 5/8		544 = 45.75mm x 28.65mm		
81 = Customer Proc.		169 = 1.874 (47.6mm)		280 = 3.250 (82.55mm)	430 = 0.750 3/4		545 = 2.3"x 2.3" x 3.003" Triangle		
82 = Cust Toll Mat'l		170 = 1.875 (47.63mm)		300 = 3.346 (85.0mm)	435 = 0.875 7/8		546 = 43.75mm x 28.65mm		
90 = 304 SG		178 = 1.890 (48.01mm)		320 = 3.500 (88.9mm)	440 = 1.000 1		547 = 2.5" x 2.5" x 3.405" Triangle		
91 = 304 OBI		180 = 1.900 (48.26mm)		325 = 3.54 (90.0mm)	445 = 1.125 1 1/8		548 = 3.307"x4.134"x4.658"		
95 = 904L		183 = 1.913 (48.60mm)		330 = 3.750 (95.25mm)	450 = 1.250 1 1/4		549 = 1.066"x 2.728" OVAL		
W A L L	0.029"(22ga)	184 = 1.964 (49.89mm)	332 = 3.770 (95.76mm)	455 = 1.375 1 3/8	1 3/8		558 = 1.25"x 2.50" D Shape		
	0.035"(20ga)	185 = 1.969 (50.00mm)	341 = 3.862 (98.10mm)	460 = 1.500 1 1/2	1 1/2		560 = 1.500" x 3.090"		
	0.049"(18ga)	190 = 2.000 (50.8mm)	349 = 3.988 (101.3mm)	465 = 1.750 1 3/4	1 3/4		565 = 1.900"x 5.800" OVAL		
	0.065"(16ga)	191 = 2.060 (53.30mm)	350 = 4.000 (101.6mm)	470 = 2.000 2	2		567 = 2.150"x 5.875" OVAL		
	0.075"(14ga)	192 = 2.125 (53.98mm)	351 = 4.025 (102.24mm)	480 = 2.500 2 1/2	2 1/2		570 = 2.000" x 6.000" OVAL		
	0.095"(13ga)	193 = 2.047 (52.0mm)	352 = 4.125 (104.78mm)	490 = 3.000 3	3		580 = 2.740"x 4.039" OVAL		
	0.109"(12ga)	194 = 2.155 (54.74mm)	353 = 4.155 (105.54mm)	498 = 4.000 4	4		589 = 3.00"x 6.20" Step Rail		
	0.120"(11ga)	FINISH						591 = 118.35mm x 79.5mm	
	0.134"(10ga)	0 = As welded	A = Annealed	L = Lasercut(special)			592 = 120mm x 80mm		
	0.150"(9ga)	1 = 180 grit	B = Bent @ Tubetech	M = Tap/Countersink			595 = 129.6mmx87.1mm		
	0.165"(8ga)	2 = 240 grit	C = Emcon Dwg. AC	P = Perforated			599 = Oval (Trial)		
	0.180"(7ga)	3 = 320 grit	D = Hole Drilled	R = Re-size					
	0.187"(3/16" WA)	6 = 600 grit	F = Roll-Form	S = Sleeved Parts					
	0.250"(1/4"WA)	7 = PVC Coated	H = Hole Punched	T = Tumbled Parts					
		I = Inspected/Sort	W = Req's Washing			REPRESENTS A NEW ENTRY OR CHANGE			