



HOT RUNNER SYSTEMS

PATENTS

在这本目录里展示的INCOE®产品可能被以下一个或多个专利所覆盖:

INCOE® 商品は下記パテントにより保護されています:

The INCOE® products shown may be covered by one or more of the following patents:

USA

6,107,610; 7,316,560; 7,367,796;
7,393,197; 7,404,713; 7,413,433;
7,458,795; 7,686,035; 9,138,928

AUSTRALIA

2006201019; 2006203438

CANADA

2,555,897; 2,643,447; 2,539,085;
2,742,451

CHINA

742,422

EUROPE

EP 01304207; EP 1993801;
EP 2662194

FRANCE

EP 1993801; EP 01304207;
EP 1 568 463; EP 1614521;
EP 2226173; EP 16931771;
2,898,392

GERMANY

EP 1993801; EP 0995574;
EP 2226173; EP 01304207;
EP 1 568 463; EP 1614521;
EP 1693177; EP 1762361;
102004033469; 102004043949;
102012009412; 102009012082;
102005015242; 102007029493

HONG KONG

HK1098922

MONACO

EP 2226173

ISRAEL

174200

ITALY

EP 1993801; EP 01304207;
EP 1 568 463; EP 1614521;
EP 1693177; 1373692

JAPAN

4927880; 4976728; 5523515

KOREA

10-1223946; 10-1353362

MEXICO

278721

NETHERLANDS

EP 01304207; EP 1 568 463;
EP 1693177; 1031334; EP 2226173

SINGAPORE

135987; 139597

SPAIN

EP 01304207; EP 1 568 463;
EP 2226173; EP 1693177;
2294920

SWEDEN

EP 1993801; EP 01304207;
EP 1 568 463; EP 1693177

SWITZERLAND

EP 01304207; EP 1 568 463;
EP 1614521; EP 2226173;
EP 1693177; EP 1762361;
699628

TAIWAN

I305748; I359073; I414411

UNITED KINGDOM

EP 1993801; EP 01304207;
EP 1 568 463; EP 2226173;
EP 1693177

CZECH REPUBLIC

EP 01304207; EP 1 568 463;
EP 1693177

PORTUGAL

EP 01304207; EP 1 568 463;
EP 1635074; EP 2226173;
EP 1693177

HUNGARY

EP 1 568 463; EP 1693177

POLAND

EP 1 568 463; EP 1693177

LUXEMBOURG

EP 1614521; EP 2226173;
EP 1762361

AUSTRIA

EP 2226173

BELGIUM

EP 2226173

其他待定专利・その他の特許出願中・Other USA and foreign patents pending



PARTIAL NON BINDING SUMMARY OF EXPRESS WARRANTY

INCOE CORPORATION ("INCOE") warrants to buyer those products (or portions thereof) that INCOE manufactures to be free from defects in material and workmanship for the periods given in the table below. The warranty term is measured from the date of shipment from INCOE for the periods provided in the INCOE General Terms and Conditions of Sale referenced below ("INCOE Warranty"). INCOE's exclusive obligation and buyer's exclusive remedy under the INCOE Warranty is limited to repair (by INCOE or INCOE's designated representative) or replacement of parts, FOB INCOE, at INCOE's sole discretion.

INCOE will assign to buyers whatever assignable warranty INCOE receives on product sold by INCOE but not manufactured by INCOE. The INCOE Warranty and the repair or replacement remedy on INCOE manufactured product and INCOE's obligations on all product sold by INCOE are subject to further conditions, limitations and disclaimers of implied warranties contained in INCOE's General Terms and Conditions of Sale, which are located on our website www.INCOE.com. They are subject to change without notice prior to any sale. Thus, this partial summary is not a binding document. The INCOE Warranty does not cover, for example only, the following:

- (a) Repair or replacement due to normal wear, or damage caused during maintenance, repair or use.
- (b) Damage from failure to follow recommended maintenance and operating procedures, as outlined in any applicable INCOE manual.
- (c) Damage arising from modifications not included in the procedures in any applicable INCOE manual.
- (d) Damage to components due to product or mold design.
- (e) Damage resulting from the use of unauthorized parts, or authorized parts which are supplied, manufactured or modified by procedures not included in any applicable INCOE manual or the parts list.
- (f) Consequential loss, personal injury, damage to goods and/or equipment, work stoppages, delays, or slowdowns in production.
- (g) Transportation charges and local sales taxes for replaced or repaired parts.
- (h) Expenses resulting from meeting local codes and standards.
- (i) Normal maintenance and perishable or wear items.

Hot Runner Systems & Components Other Than Wear Components	1 Year	Wear Components Including Thermocouples, Valve Gate Sleeve Seals (Pin Seals), Valve Gate Seals, Tips & Valve Pins	6 Months
Threaded Nozzle Hot Runner Systems	Total of 3 Years Leak Free	Controllers (Temperatures/Valve Gate)	2 Years
Nozzle Heaters	3 Years	All other Goods (including Services)	90 Days

If replacement parts are to be furnished or claimed under the INCOE Warranty, the buyer must submit a purchase order for the replacement parts and return the failed part to INCOE. Replacement product and a return authorization number will be sent promptly on receipt of purchase order and approval of credit. Upon return of the part and approval by INCOE, a credit memo will be issued if the part is covered under INCOE Warranty. Failure to return the failed part within 30 days of receipt of the replacement part will result in rejection of the warranty claim and the waiver of such claim.

Parts may not be returned without a return authorization number from INCOE. Returned parts must be properly identified with a tag showing the INCOE job number, return authorization number and date, be packaged so as to avoid further damage in shipping, and shipped to the location specified by INCOE. INCOE may deny a warranty claim without liability if this procedure is not followed completely.

The INCOE Warranty may be expanded only by a specific individual contract signed by an INCOE officer.

(2/19/19) (1495324.5)



METRIC CONVERSION TABLE

公制转换表・ミリ換算表

HOT RUNNER SYSTEMS

Nominal Diameter	Shaft													
	Hole						Shaft							
	H7	n6	m6	k6	j6	h6	g6	f6	mm	in	mm	in		
1.5	0.01	0.0004	0.008	0.0003	0.004	0.0002	0.006	0.0002	0	0.0000	-0.002	-0.0001	-0.006	-0.0002
3	0	0.0000	0.002	0.0001	-0.002	-0.0001	0	-0.002	-0.006	-0.0002	-0.008	-0.0003	-0.012	-0.0005
3	0.012	0.0005	0.012	0.0005	0.006	0.0002	0.009	0.0004	0	0.0000	-0.004	-0.0002	-0.01	-0.0004
6	0	0.0000	0.004	0.0002	-0.002	-0.0001	0.001	0.0000	-0.008	-0.0003	-0.012	-0.0005	-0.018	-0.0007
6	0.015	0.0006	0.015	0.0006	0.007	0.0002	0.01	0.0004	0	0.0000	-0.005	-0.0002	-0.013	-0.0005
10	0	0.0000	0.006	0.0002	-0.002	-0.0001	0.001	0.0000	-0.009	-0.0004	-0.014	-0.0006	-0.022	-0.0009
10	0.018	0.0007	0.018	0.0007	0.008	0.0003	0.012	0.0005	0	0.0000	-0.006	-0.0002	-0.016	-0.0006
14	0	0.0000	0.007	0.0003	-0.003	-0.0001	0.001	0.0000	-0.011	-0.0004	-0.017	-0.0007	-0.027	-0.0011
14	0.018	0.0007	0.018	0.0007	0.008	0.0003	0.012	0.0005	0	0.0000	-0.006	-0.0002	-0.016	-0.0006
18	0	0.0000	0.007	0.0003	-0.003	-0.0001	0.001	0.0000	-0.011	-0.0004	-0.017	-0.0007	-0.027	-0.0011
18	0.021	0.0008	0.021	0.0008	0.009	0.0004	0.015	0.0006	0	0.0000	-0.007	-0.0003	-0.02	-0.0008
24	0	0.0000	0.008	0.0003	-0.004	-0.0002	0.002	0.0001	-0.013	-0.0005	-0.02	-0.0008	-0.033	-0.0013
24	0.021	0.0008	0.021	0.0008	0.009	0.0004	0.015	0.0006	0	0.0000	-0.007	-0.0003	-0.02	-0.0008
30	0	0.0000	0.008	0.0003	-0.004	-0.0002	0.002	0.0001	-0.013	-0.0005	-0.02	-0.0008	-0.033	-0.0013
30	0.025	0.0010	0.025	0.0010	0.011	0.0005	0.018	0.0007	0	0.0000	-0.009	-0.0004	-0.025	-0.0010
40	0	0.0000	0.009	0.0004	-0.005	-0.0002	0.002	0.0001	-0.016	-0.0006	-0.025	-0.0010	-0.041	-0.0016
40	0.025	0.0010	0.025	0.0010	0.011	0.0005	0.018	0.0007	0	0.0000	-0.009	-0.0004	-0.025	-0.0010
50	0	0.0000	0.009	0.0004	-0.005	-0.0002	0.002	0.0001	-0.016	-0.0006	-0.025	-0.0010	-0.041	-0.0016
50	0.025	0.0010	0.025	0.0010	0.011	0.0005	0.018	0.0007	0	0.0000	-0.009	-0.0004	-0.025	-0.0010
60	0.03	0.0012	0.03	0.0012	0.012	0.0005	0.021	0.0008	0	0.0000	-0.01	-0.0004	-0.03	-0.0012
65	0	0.0000	0.011	0.0004	-0.007	-0.0003	0.002	0.0001	-0.019	-0.0007	-0.029	-0.0011	-0.049	-0.0019
65	0.03	0.0012	0.03	0.0012	0.012	0.0005	0.021	0.0008	0	0.0000	-0.01	-0.0004	-0.03	-0.0012
80	0	0.0000	0.011	0.0004	-0.007	-0.0003	0.002	0.0001	-0.019	-0.0007	-0.029	-0.0011	-0.049	-0.0019
80	0.03	0.0012	0.03	0.0012	0.012	0.0005	0.021	0.0008	0	0.0000	-0.01	-0.0004	-0.03	-0.0012