Qdrive Thermoacoustic Devices

Note: Rights to these patents were acquired by RIX Industries in Benicia, CA in 2017. Chart retains a license for their use "in non-military applications:
i. Circulation pumping of industrial and fuel gases using the linear mechanism to or from cryogenic storage vessels for heat transfer with the gases;
ii. Oxygen liquefaction for use in the medical sector specific to the generation and use of liquid Oxygen in the home; and
iii. Commercial cold storage applications for freezing and storage devices in the range of -80C to -180C."

Category	Family	Models	Including Part Numbers	Applicable Patents
Qdrive	Qdrive	Motor/Alternators	1s055MA; 1s102MA; 1s132MA; 1s132MA; 1s175MA; 1s226MA; 1s241MA; 1s297MA; 1s362MA	CN-ZL01801339.2; DE-601 44 171.0; IN-218953; JP-4575642; KR-804874BR-1226001; CA-2381735; EP-1226001; DE-1226001; IN-221379; IT-1226001; JP-4021759; US-6353987; US-6,841,900B2; US-6,492,748 B1
		Drivers	1s102D; 1s132D; 1s175D; 1s226D; 1s241D; 1s297D; 1s362D	CN-ZL01801339.2; DE-601 44 171.0; IN-218953; JP-4575642; KR-804874BR-1226001; CA-2381735; EP-1226001; DE-1226001; IN-221379; IT-1226001; JP-4021759; US-6353987; US-6,841,900B2; US-6,492,748 B1
		Pressure Wave Generators	2s055W; 2s102W; 2s132W; 2x175W; 2s226W; 2s241W; 2s297W; 2s362W	CN-ZL01801339.2; DE-601 44 171.0; IN-218953; JP-4575642; KR-804874BR-1226001; CA-2381735; EP-1226001; DE-1226001; IN-221379; IT-1226001; JP-4021759; US-6353987; US-6,841,900B2; US-6,492,748 B1; US-6564552
		Cryooolers	2s102K; 2s132K; 2s175K; 2s226K; 2s241K; 2s297K; 2s362K	CN-ZL01801339.2; DE-601 44 171.0; IN-218953; JP-4575642; KR-804874; US-6,492,748 B1; CN-ZL200680040953.4; EU-in app; US-7628022; JP-in app BR-1226001; CA-2381735; EP-1226001; DE-1226001; IN-221379; IT-1226001; JP-4021759; US-6353987; US-6,841,900 B2; US-6,578,364 B2; US-6,604,363 B2; US-6564552
		Pumps & Others	2s132C	CN-ZL01801339.2; DE-601 44 171.0; IN-218953; JP-4575642; KR-804874; US-6,492,748 B1; BR-1226001; CA-2381735; EP-1226001; DE-1226001; IN-221379; IT-1226001; JP-4021759; US-6353987; US-6,841,900 B2; US-6,604,363 B2; US-6564552

NOTICE: from APRIL 2017, these products are made under license from RIX Industries, Benicia CA, as assignee of these patents.