

News Release



For Immediate Release

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Contact: Michelle A. Drager, APR
mdrager@thedragergroup.com
610-913-6555 office
484-269-2900 cell

Low Pressure Vacuum Carburizing Patent Received

Souderton, Pa. -- William R. Jones, chief executive officer, announces the receipt of US Patent No. 7,514,035 B2 issued April 7, 2009, for a "Versatile High Velocity Integral Vacuum Furnace".

Imbedded in the patent description is Solar Atmosphere's low pressure carburizing process using acetylene and hydrogen gas ratio's at pressures less than 15 torr and preheating in a hydrogen atmosphere for surface activation. The fast gas quenching furnace is essential for many of the carburizing alloys for correct metallurgical properties.

Because the furnace process results in no residual carbon residue in the furnace, heat treatment of other metals following will not result in product contamination.

For additional process information, contact Don Jordan, vice president and corporate metallurgist, Solar Atmospheres, at dfj@solaratm.com, 800-347-3236, ext. 206, www.solaratm.com For additional furnace information contact Pete Reh, vice president of sales, Solar Manufacturing, at 267-384-5040 x509 or pkrs@solararmfg.com.

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