

## VPT – Solar, *TORRENT* Vapor Source

Vacuum Process Technology receives purchase order from large Korean conglomerate.

A large Korean high-tech company is the latest solar company to place an order for VPT's ground breaking CIGS technology, the *TORRENT* evaporation source. The evaporation sources and coating chambers will be shipped and installed before end of this year. Ronald Crocker, Vice President of Technology at VPT said: "To convince this large Korean company to use the *TORRENT* technology is another milestone for VPT. Since we introduced the *TORRENT* vapor source at the end of last year this is the 3<sup>rd</sup> major solar company to use VPT's technology for the production of CIGS photovoltaic solar panels. The *TORRENT*'s high deposition rates, temperature stability and the compatibility with Selenium are convincing arguments". The scope of this order also includes the vacuum coating chambers.

The *Torrent* technology is a thermal evaporation source for the top-down evaporation of the metals used in CIS/CIGS solar cells. The *Torrent* source is designed for high throughput production in in-line vacuum coating systems with uninterrupted production cycles of up to 8 days. The crucibles have combined capacity of 4800cm<sup>3</sup> and the typical crucible operating temperatures are between 1350°C – 1450°C.