

IGNIS Innovation demonstrates latest achievements in AdMo™ amorphous silicon AMOLED technology at SID 2009

TFT backplane performance better than incumbent polysilicon; will grow AMOLED market and reduce costs

SAN ANTONIO, TEXAS — May 31, 2009 — IGNIS Innovation Inc., a world leader in the design and development of thin film transistor circuits and driving algorithms for Active Matrix Organic Light Emitting Diodes (AMOLED), will be demonstrating the latest achievements of its industry leading AdMo™ (Advanced Mobile) backplane technology for amorphous silicon thin film transistors (TFT) at the Society for Information Display, Display Week Conference and Exhibition, from June 2-4, 2009, in San Antonio, TX, USA. IGNIS will exhibit a high resolution 2.2” QVGA (181ppi) demo with lifetime and uniformity performance that is better than its commercial polysilicon counterpart. In extensive in-house lifetime testing, IGNIS has demonstrated device lifetimes of over 50,000hrs , making them suitable for any mobile or handheld application, such as smartphones and A/V players. In addition, the AdMo™ technology is amenable to very high resolutions (250-300ppi) and medium size displays (10-15”). The sophisticated compensation technology is built entirely in-pixel, meaning low-cost driver ICs are used, lending itself to a simple ‘drop-in’ display that is easily swappable into devices with legacy LCDs. It is also expected that the use of amorphous silicon will lower the unit manufacturing costs of AMOLED to less than the conventional LCD, while ensuring an adequate and stable supply of backplanes to manufacturers, when previously this was not possible with polysilicon.

“AdMo™ technology and our 2.2” demo prove that an amorphous silicon backplane can and does work for AMOLED displays. This fact will lead to explosive growth in the industry since now a backplane based on common LCD technology can also be used for AMOLED and sourced from any LCD plant in the world. This is a major breakthrough and we look forward to working together with our customers in rapidly growing and shaping the AMOLED industry using AdMo™ and amorphous silicon backplanes”, said Paul Arsenault, President and CEO of IGNIS.

IGNIS will show its AdMo™ technology at its booth (#270), together with other display prototypes such as a segment of a 32” 1080p display using MaxLife™ compensating technology for HDTV and other large area applications.

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About IGNIS:

Established in 2000, IGNIS Innovation Inc. has become the industry’s leading independent one-stop, open-source provider for backplane and driver solutions in the growing Active Matrix Organic Light Emitting Diode (AMOLED)

market. Leveraging more than 10 years of ongoing research and development, IGNIS specializes in providing our customers with proven, world class technologies in the areas of pixel circuits and driver packages for any display application.