Docket #: S05-265

An Electrically Addressable, Liquid Release Well Array for a Hand-held Scented Material Dispense System

Stanford researchers have developed an electrically addressable liquid dispenser. This patented technology stores and dispenses scent in hand-held devices. Designed with a standard interface, the microelectronic module is compatible with mobile phones, personal digital assistants (PDAs), and music players (MP3).

Applications

- Hand-held electronic devices

Advantages

- MEMS technology
- Low power
- Electronic actuation
- Low cost
- High variability
- Design flexibility
- High yield

Publications

- T. Lamers, Patrick Chiang, R. Ruby, B. Pruitt, "Electrically addressable, liquid release well array for a hand-held, scent-dispense system," Micro & Nano Letters, Vol. 6, Issue 1, pp. 37-38, January 2011. (Copy available on request)

- US Patent No. 7,715,699, Electrically addressable liquid dispenser, issued May 11, 2010.

Patents

- Published Application: 20080050102
- Issued: 7,715,699 (USA)

Innovators

- Patrick Chiang
- Tina Lamers
- Roger Flynn
- Beth Pruitt
- Aikaterina Ioakeimidi
- Yang-ren Rau

Licensing Contact

Mona Wan

Senior Associate Director, Life Science

Email