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85284 (US). **PREGO, John, Paul**; 2148 Morgan Hill Drive, Pennsburg, Pennsylvania 18073 (US).

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(74) Agent: **DEMARAH, Daniel**; c/o Versum Materials US, LLC, 8555 South River Parkway, Tempe, Arizona 85284 (US).

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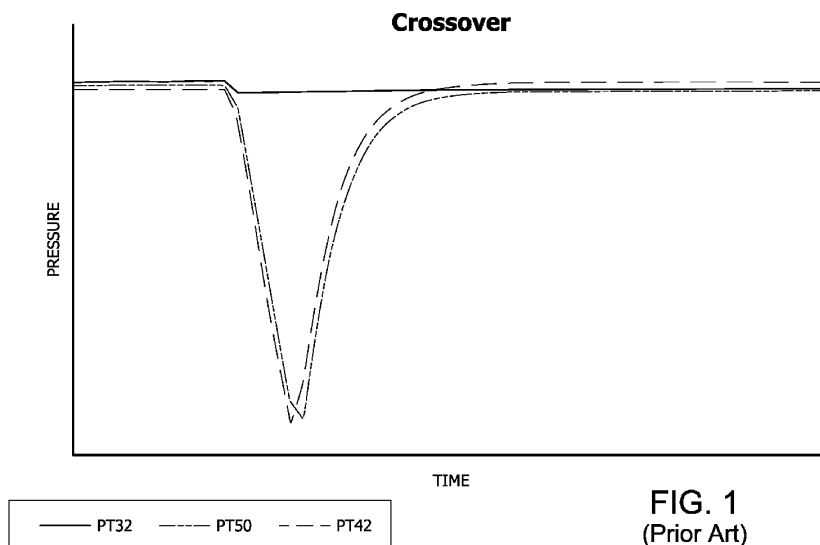
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(71) Applicant: **VERSUM MATERIALS US, LLC** [US/US];
8555 South River Parkway, Tempe, Arizona 85284 (US).

(72) Inventors: **PILTZ, Thomas, William**; c/o Versum Material US, LLC, 8555 South River Parkway, Tempe, Arizona

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(54) Title: MATERIAL SUPPLY SYSTEM



(57) Abstract: This invention provides gas supply and dispensing system and method of operating the same, comprising first on-stream vessel and first standby vessel, wherein the system is used to dispense gas at a preset gas flow rate; sensors in communication with a controller to sense a predefined endpoint of the first on-stream vessel thereby causing the controller to initiate auto-crossing from the first on-stream vessel to the first standby vessel in the array having gas therein, for subsequent dispensing of gas from the first standby vessel; wherein the controller after sensing the predefined endpoint initiates flow of gas from the first standby vessel, the first standby vessel thereby becoming the second on-stream vessel dispensing gas concurrently with the first on-stream vessel for a period prior to terminating the flow of gas from the first on-stream vessel.

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