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- (71) **Applicant:** MICRO MOTION, INC. [US/US]; 7070
Winchester Circle, Boulder, Colorado 80301 (US).
- (72) **Inventor:** WHEELER, Simon P. H.; 2566 Betts Circle,
Erie, Colorado 80516 (US).
- (74) **Agents:** OLLILA, Curtis J. et al.; The Ollila Law Group
LLC, 2569 Park Lane, Suite 202, Lafayette, Colorado
80026 (US).
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KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
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Declarations under Rule 4.17:

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(54) **Title:** AUTO SWITCHING REFERRAL MATRICES IN DETERMINING PROCESS MATERIAL CONCENTRATION

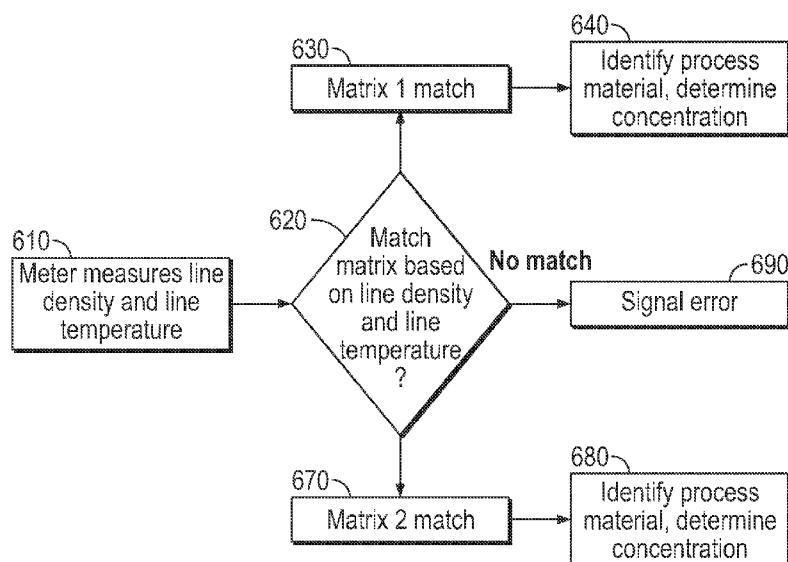


FIG. 6

(57) **Abstract:** A device and method to automatically switch referral matrices in a meter (120) to identify an unknown material circulating in a process application (900) and determine the material concentration, whether it may be a cleaning material or a process material. The present invention utilizes a measured line density and line temperature of the material along with a reference temperature to calculate a reference density. Using the reference temperature and reference density, a concentration percentage of the material may be determined.