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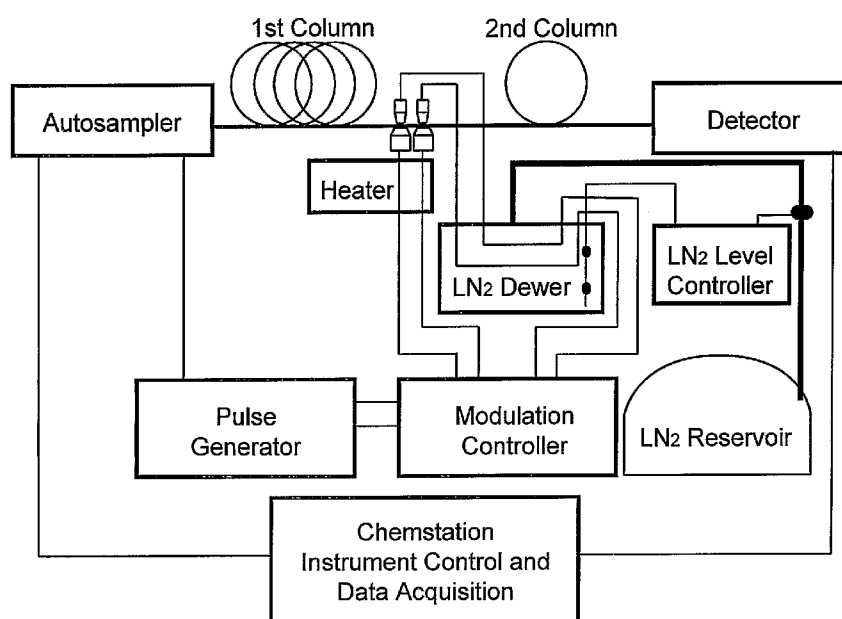
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(54) **Title:** A SYSTEM AND METHOD THAT WILL SYNCHRONIZE DATA ACQUISITION AND MODULATION IN A COMPREHENSIVE TWO (MULTI) DIMENSIONAL CHROMATOGRAPHY (SEPARATION) SYSTEM TO ENABLE QUANTITATIVE DATA ANALYSIS



- (57) **Abstract:** The present invention is a comprehensive two-dimensional gas chromatograph system and method including a modulator wherein the pulsing of the modulator is synchronized with data acquisition so that the results are reproducible.

WO 2007/032840 A3