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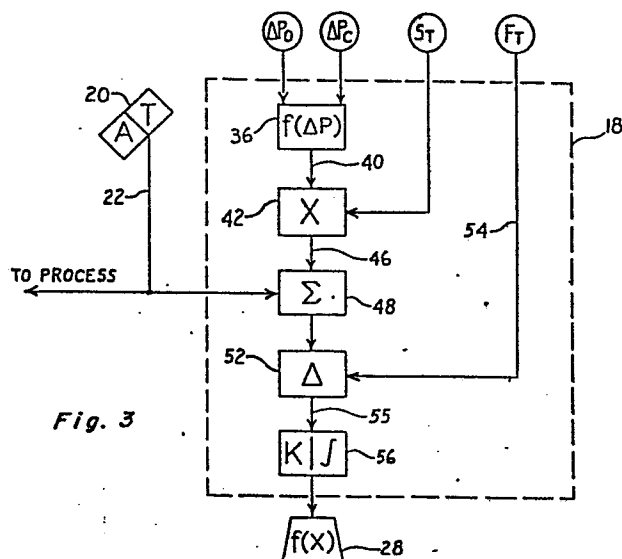
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54 Compressor surge control.

57 A surge control system (18) for a compressor anticipates the actual surge condition and initiates anti-surge protection in proportion to the magnitude of the anticipated surge condition. This is done by providing a feed forward signal from a control station (20) to a summing station (48), along with a normally generated surge control line point, to offset this point by an amount determined by the feed forward signal. The offset point is used as an input to a controller (56) for controlling a bypass valve (28) in a bypass loop around the compressor.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	ISA TRANSACTIONS, vol. 14, no. 2, 1975, pages 172-175, US; S.W. SWEET: "A look at two surge control systems" * Pages 1-6 *	1	F 04 D 27/02
A	--- ADVANCES IN INSTRUMENTATION, vol. 31, no. 1, 1976, pages 587/1-587/15, PITTSBURGH, US; J.D. WARNOCK: "Typical compressor control configuration" * Figure 21; page 587/12, description figure 21 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 04 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-04-1986	Examiner THIBO F.
CATEGORY OF CITED DOCUMENTS			
X particularly relevant if taken alone Y particularly relevant if combined with another document of the same category A technological background O non-written disclosure P intermediate document		T theory or principle underlying the invention E earlier patent document, but published on, or after the filing date D document cited in the application L document cited for other reasons & member of the same patent family, corresponding document	