

EUROPEAN PATENT APPLICATION

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Applicant: **Vickers, Incorporated, 1401 Crooks Road, Troy Michigan 48084 (US)**

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Inventor: **Nanda, Vinod Kumar, 869 Dressler, Rochester Michigan 48063 (US)**
Inventor: **Taylor, Henry Delano, 2751 N. Lake Drive, Pontiac Michigan 48055 (US)**

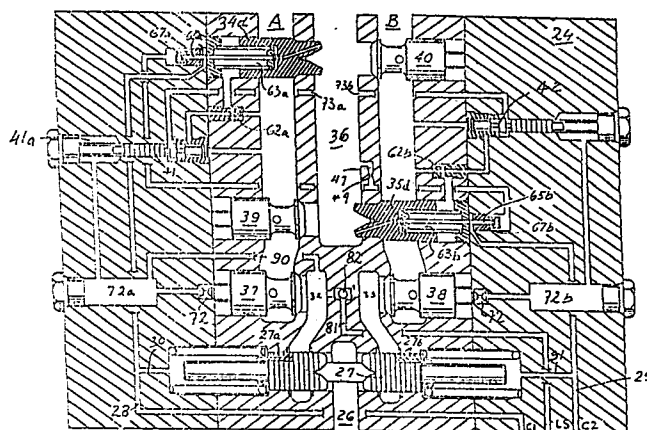
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Representative: **Blumbach Weser Bergen Kramer Zwirner Hoffmann Patentanwälte, Sonnenbergerstrasse 43, D-6200 Wiesbaden 1 (DE)**

Hydraulic control system.

A hydraulic control system comprising a hydraulic actuator (20) and a variable displacement pump (22). A pilot pressure operated meter-in valve (27) controls the direction and velocity of the actuator through a pair of actuator lines (A, B). A pilot pressure operated meter-out valve (34d, 35d) is associated with each actuator line (A, b) for controlling the flow out of the actuator when that actuator line returns the flow to tank. A spring loaded poppet valve (41, 42) is associated with each actuator line (A, B) and a passage (90) extends from at least one of the poppet valves (41) to the meter-out valve (34d) and is operable, when the meter-out valve (34d) is closed after being open, to reduce the pressure holding the meter-out valve (34d) closed, thereby permitting the spring loaded poppet valve (41) to open at a relatively low pressure developed in one (A) of the lines associated with the one meter-out valve (34d), thereby allowing the one meter-out valve (34d) to open.





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EUROPEAN SEARCH REPORT

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Application Number

EP 85 10 4920

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. 3)
A	GB-A-2 044 366 (SPERRY CORP.) * The whole document *	1	F 15 B 13/02
A	--- GB-A-2 047 435 (SPERRY CORP.)		
A	--- DE-A-3 307 582 (KABUSHIKI KAISHA KOMATSU SEISAKUSHO) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			F 15 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-11-1985	Examiner FRANKS N.M.
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			