

Title (en)
CONTROL SYSTEM FOR CONSTRUCTION MACHINE

Title (de)
STEUEREINRICHTUNG FÜR EINE BAUMASCHINE

Title (fr)
SYSTEME DE COMMANDE D'ENGINS DE CHANTIER

Publication
EP 0796952 A4 20000119 (EN)

Application
EP 96932847 A 19961008

Priority
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Abstract (en)
[origin: WO9713929A1] A control system for a construction machine, comprising a controller including a valve control (31), wherein in response to a command from a control member (30A, 30B) and to the output from a detector, the valve control (31) on the controller acts as a distributor to compare information (Qra, Qrb) on the demand of actuators (7A, 7B) specified by control members (30A, 30B) with the information on the flow from a working fluid supply, thereby determining optimum flow rates to the actuators (7A, 7B).

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IPC 8 full level
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Citation (search report)
• [XAY] US 4712376 A 19871215 - HADANK JOHN M [US], et al
• [DXY] WO 9316285 A1 19930819 - HITACHI CONSTRUCTION MACHINERY [JP] & US 5535587 A 19960716 - TANAKA HIROHISA [JP], et al
• [Y] US 4581893 A 19860415 - LINDBOM TORSTEN H [US]
• [Y] US 5074194 A 19911224 - HIRATA TOICHI [JP], et al
• [Y] US 5285715 A 19940215 - ELROD JR ALVON C [US], et al
• [Y] EP 0410053 A1 19910130 - KOBE STEEL LTD [JP]
• [Y] US 4534707 A 19850813 - MITCHELL RANDALL M [US]
• See references of WO 9713929A1

Cited by
US6951102B2; EP1083337A3; EP1403529A3; FR2894634A1; EP3020983A1; CN105605021A; EP1403527A1; EP1626181A1; EP1626182A1; CN111868336A; US6073442A; EP3926177A4; EP1403525A1; US6115660A; EP0908564A3; EP2351936A4; US10738442B2; US11162243B2; US6233511B1; US9810329B2; WO2017069688A1; WO9927197A3; WO2016096565A1; WO9954557A1; WO0169093A1; US11920325B2; US10422357B2; US7434393B2; US10968604B2; WO2010030830A1; WO2005024245A1; WO2019034317A1

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