

Title (en)  
HYDRAULIC SYSTEM FOR CONSTRUCTION MACHINERY

Title (de)  
HYDRAULISCHES SYSTEM FÜR EINE BAUMASCHINE

Title (fr)  
SYSTÈME HYDRAULIQUE POUR ÉQUIPEMENT DE CONSTRUCTION

Publication  
**EP 2937474 A2 20151028 (EN)**

Application  
**EP 15164484 A 20150421**

Priority  
KR 20140047451 A 20140421

Abstract (en)  
The present disclosure relates to a hydraulic system for construction machinery. According to the hydraulic system for construction machinery according to the exemplary embodiment of the present disclosure, during a traveling mode, hydraulic oil discharged from a first main pump (11) merges with hydraulic oil discharged from a second main pump (12), and the merged hydraulic oil is provided to a traveling motor (80), thereby improving traveling performance. In addition, according to the hydraulic system for construction machinery according to the exemplary embodiment of the present disclosure, even in a situation in which the first and third control valve units (51, 53) cannot be normally controlled for an unknown reason, the overspeed traveling may be prevented by restricting a maximum discharge flow rate of the first main pump (11) in the traveling mode, thereby ensuring traveling performance and preventing durability of a traveling system from deteriorating.

IPC 8 full level  
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Citation (applicant)  
JP 2004027706 A 20040129 - HITACHI CONSTRUCTION MACHINERY

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EP3640404A4; EP3821136A4; WO2023035583A1

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