Title (en)

METHOD OF CONTROLLING A FLOW RATE OF A CONSTRUCTION MACHINE AND SYSTEM FOR PERFORMING THE SAME

Title (de)

VERFAHREN ZUR STEUERUNG DER DURCHFLUSSMENGE EINER BAUMASCHINE UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RÉGULATION D'UN DÉBIT D'UNE MACHINE DE CONSTRUCTION ET SYSTÈME PERMETTANT DE L'EXÉCUTER

Publication

EP 3385456 A1 20181010 (EN)

Application

EP 18166095 A 20180406

Priority

KR 20170044905 A 20170406

Abstract (en)

In a method of controlling a flow rate of a construction machine, a rotation position of at least one of working devices in the construction machine including a boom, an arm and an attachment may be detected. Whether the rotation position of the working device may reach to a maximum position of the working device or not may be determined. When the rotation position of the working device may reach to the maximum position, a flow rate supplied to the working device may be cut off. Thus, the flow rate may not be supplied to the working device located at the maximum position so that the flow rate may not be wasted.

IPC 8 full level

E02F 9/20 (2006.01); **E02F 9/22** (2006.01)

CPC (source: CN EP KR)

E02F 3/435 (2013.01 - CN); **E02F 9/2033** (2013.01 - EP); **E02F 9/22** (2013.01 - CN); **E02F 9/2203** (2013.01 - KR); **E02F 9/2214** (2013.01 - EP); **E02F 9/2221** (2013.01 - KR); **E02F 9/2246** (2013.01 - EP); **E02F 9/2267** (2013.01 - KR); **F15B 9/00** (2013.01 - KR); **F15B 15/22** (2013.01 - KR); **F15B 15/28** (2013.01 - KR)

Citation (search report)

- [XYI] EP 1752664 A2 20070214 - KOBLECO CONSTRUCTION MACHINERY CO LTD [JP]
- [Y] US 5477678 A 19951226 - SHIRAI KIYOSHI [JP], et al
- [X] JP 2002021804 A 20020123 - HITACHI CONSTRUCTION MACHINERY
- [X] EP 0919670 A1 19990602 - KOMATSU MFG CO LTD [JP]

Cited by

US11655616B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3385456 A1 20181010; **EP 3385456 B1 20230125**; CN 108691329 A 20181023; CN 108691329 B 20240301; KR 102054666 B1 20200122; KR 20180113397 A 20181016

DOCDB simple family (application)

EP 18166095 A 20180406; CN 201810299700 A 20180404; KR 20170044905 A 20170406