

Title (en)
CONTROL UNIT OF A CONSTRUCTION MACHINE

Title (de)
BAUMASCHINESTEuerung

Title (fr)
UNITÉ DE CONTRÔLE D'UNE MACHINE DE CONSTRUCTION

Publication
EP 2844804 B1 20161221 (DE)

Application
EP 13717715 A 20130412

Priority
• DE 102012009000 A 20120504
• EP 2013001082 W 20130412

Abstract (en)
[origin: WO2013164064A1] The present invention relates to a device for operating a construction machine (10), comprising an operating field (20) having a number of operating elements (22) for activating actuators (34) of the construction machine (10) in order to execute the desired functions of the construction machine (10), the operating field (20) generating first signals (S1) relevant to the activation of the actuators (34), further comprising a command and control unit (26) for controlling the device, the command and control unit (26) transforming the first signals (S1) into actuation signals (SB) by means of which the actuators (34) can be actuated, the first signals (S1) being transmitted from the operating field (20) to the command and control unit (26) with the aid of first transmission means (24), and comprising a display unit (30) by means of which the function currently being executed by the construction machine (10) can be visualised during normal operation, the first signals (S1) and/or the actuation signals (SB) being transmitted to the display unit (30) by means of second transmission means (28), wherein, in the event of disruption of the first signals (S1) or of the first transmission means (24), second signals (S1) relevant to the activation of the actuators (34) can be generated with the aid of the display unit (30), which second signals can be transmitted to the command and control unit (26) by means of the second transmission means (28) and can be transformed into the actuation signals (SB) by the command and control unit (26). The invention further relates to a construction machine (10) comprising such a device and to a method for operating the construction machine (10).

IPC 8 full level
E02F 9/20 (2006.01); **E01C 19/00** (2006.01); **E02F 9/26** (2006.01); **G08C 17/00** (2006.01); **G08C 25/00** (2006.01)

CPC (source: EP)
E02F 9/2025 (2013.01); **E02F 9/26** (2013.01); **G08C 17/00** (2013.01); **G08C 25/00** (2013.01)

Citation (opposition)
Opponent : Wirtgen GmbH
• EP 1959056 B1 20121024 - WIRTGEN GMBH [DE]
• EP 1627774 B1 20070912 - VOEGELE AG J [DE]
• DE 9301031 U1 19940526 - BEILHACK MASCHF MARTIN [DE]
• EP 0790353 A1 19970820 - ABG ALLG BAUMASCHINEN GMBH [DE]
• EP 1935752 A1 20080625 - BAMFORD EXCAVATORS LTD [GB]
• DE 202006008543 U1 20060914 - WEBER MASCHINENTECHNIK GMBH [DE]

Cited by
DE102019107800A1; CN111749099A; EP3715969A1; US11549234B2

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

DOCDB simple family (publication)
DE 102012009000 A1 20131107; CN 104350214 A 20150211; CN 104350214 B 20170721; EP 2844804 A1 20150311;
EP 2844804 B1 20161221; EP 2844804 B2 20200108; WO 2013164064 A1 20131107

DOCDB simple family (application)
DE 102012009000 A 20120504; CN 201380030669 A 20130412; EP 13717715 A 20130412; EP 2013001082 W 20130412