

Title (en)
WHEEL LOADER

Title (de)
RADLADER

Title (fr)
ROTOR DE ROUE

Publication
EP 2687638 A4 20141217 (EN)

Application
EP 12758204 A 20120315

Priority
• JP 2011057076 A 20110315
• JP 2012056714 W 20120315

Abstract (en)
[origin: EP2687638A1] A wheel loader 100 includes a vehicle body 110 having wheels 113, 114, a work implement 120 including an arm 121, a bucket 122, and an arm cylinder 123 and a bucket cylinder 123 that drive the arm 121 and the bucket 122, respectively, and a work implement control device 20 that directs an operation of the work implement 120. The work implement control device 20 includes an arm control lever 11 disposed on the right of a driver's seat 21, the arm control lever 11 controlling operations of the arm, and two kickdown switches 16, 17 disposed at an upper surface and a left side surface, respectively, of a grip 11a of the arm control lever 11. Operability can thereby be improved even further.

IPC 8 full level
E02F 3/34 (2006.01); **E02F 9/02** (2006.01); **E02F 9/20** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
• [XY] US 2009240406 A1 20090924 - FUKUSHIMA AKIRA [JP], et al
• [Y] WO 2009048364 A1 20090416 - SVAB HYDRAULIK AB [SE], et al
• [IY] US 7784581 B1 20100831 - KLAS DAVID JOSEPH [US], et al
• [YD] WO 2010147232 A1 20101223 - HITACHI CONSTRUCTION MACHINERY [JP], et al
• [A] EP 2277369 A1 201110126 - CLAAS SELBSTFAHR ERNTEMASCH [DE]
• [A] US 2005279561 A1 20051222 - SHEARER DANIEL E [US], et al
• See references of WO 2012124767A1

Cited by
EP2891783A4; US9458603B2

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)
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DOCDB simple family (application)
EP 12758204 A 20120315; CN 201280008246 A 20120315; JP 2012056714 W 20120315; JP 2012547350 A 20120315; KR 20137020848 A 20120315; US 201213996247 A 20120315