

Title (en)

Working machine with a combustion engine

Title (de)

Arbeitsgerät mit einem Verbrennungsmotor

Title (fr)

Appareil de travail doté d'un moteur à combustion interne

Publication

EP 2813702 B1 20191016 (DE)

Application

EP 14002010 A 20140611

Priority

DE 102013009891 A 20130613

Abstract (en)

[origin: US2014366828A1] A work implement has an internal combustion engine that drives a tool of the work implement via a clutch. The clutch has at least one driving element which is operatively connected to the internal combustion engine and at least one output element which is operatively connected to the tool. The internal combustion engine has a starting device with a starting position and an operating position. To avoid unintentional rotation of the output element when starting the internal combustion engine, the work implement has a blocking device with a detent pawl. In an actuated position, the detent pawl projects into the movement path of the output element, limiting the rotation of the output element. In an unactuated position, the detent pawl releases the output element. The starting device has an actuating device which, in the starting position, keeps the detent pawl in the actuated position.

IPC 8 full level

B27B 17/08 (2006.01); **F02N 15/10** (2006.01); **F02N 3/02** (2006.01)

CPC (source: EP RU US)

B27B 17/00 (2013.01 - RU); **B27B 17/083** (2013.01 - EP US); **F02B 63/02** (2013.01 - EP US); **F02M 1/02** (2013.01 - EP US);
F02N 15/003 (2013.01 - US); **F02N 15/026** (2013.01 - US); **F02N 15/027** (2013.01 - US); **F02N 15/10** (2013.01 - EP US);
F02M 1/08 (2013.01 - EP US); **F02N 3/02** (2013.01 - EP US)

Citation (examination)

- FR 2570017 A2 19860314 - STEMPNIAKOWSKI TONY [FR]
- WO 2013015779 A2 20130131 - HUSQVARNA CONSUMER OUTDOOR PRODUCTS NA INC [US], et al
- US 3982616 A 19760928 - BIDANSET EDWARD J
- US 2012318236 A1 20121220 - KULLIK EVELYN [DE], et al
- US 2011048359 A1 20110303 - WENCKEL MATHIAS [DE]
- US 2002185352 A1 20021212 - HUSGES MARKUS [DE]

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)

EP 2813702 A2 20141217; EP 2813702 A3 20141224; EP 2813702 B1 20191016; CN 104227791 A 20141224; CN 104227791 B 20180918;
DE 102013009891 A1 20141218; RU 2014123165 A 20151220; RU 2655823 C2 20180529; US 2014366828 A1 20141218;
US 9353721 B2 20160531

DOCDB simple family (application)

EP 14002010 A 20140611; CN 201410261654 A 20140613; DE 102013009891 A 20130613; RU 2014123165 A 20140609;
US 201414303972 A 20140613