

Title (en)  
Loader

Title (de)  
Lader

Title (fr)  
Chargeur

Publication  
**EP 2728073 B1 20190227 (DE)**

Application  
**EP 13188684 A 20131015**

Priority  
DE 102012021192 A 20121030

Abstract (en)  
[origin: EP2728073A1] The loader (10) has a loader arm (12) and a tool carrier (26) or a tool arranged on the loader arm. A sensor is provided, by which a pivoting angle between the tool carrier and the loader arm is detected. The sensor is arranged in a cavity on the loader. An actuating device is arranged for the sensor, which partially extends through an opening formed on the cavity and connects the sensor with a pivoting rod (24). The cavity is formed in the loader arm.

IPC 8 full level  
**E02F 3/34** (2006.01); **B66F 9/24** (2006.01); **E02F 3/43** (2006.01); **E02F 9/00** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP US)  
**B66F 9/24** (2013.01 - EP US); **E02F 3/3408** (2013.01 - EP US); **E02F 3/431** (2013.01 - EP US); **E02F 9/006** (2013.01 - US);  
**E02F 9/264** (2013.01 - EP US)

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 2728073 A1 20140507**; **EP 2728073 B1 20190227**; BR 102013027645 A2 20150623; CN 103821190 A 20140528;  
DE 102012021192 A1 20140430; DE 102012021192 B4 20160303; EA 201301041 A1 20140530; IN 2664MU2013 A 20150619;  
US 2014119870 A1 20140501

DOCDB simple family (application)  
**EP 13188684 A 20131015**; BR 102013027645 A 20131025; CN 201310525313 A 20131030; DE 102012021192 A 20121030;  
EA 201301041 A 20131016; IN 2664MU2013 A 20130814; US 201314067319 A 20131030