

Title (en)
HYDRAULIC DRIVE DEVICE

Title (de)
HYDRAULISCHE ANTRIEBSVORRICHTUNG

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT HYDRAULIQUE

Publication
EP 1845206 A1 20071017 (EN)

Application
EP 06712243 A 20060124

Priority
• JP 2006301027 W 20060124
• JP 2005018421 A 20050126

Abstract (en)
[Object] To permit driving a tilt cylinder and an angle cylinder at relatively low speed and also to permit driving an additional actuator at high speed.
[Means for Achieving the Object] Provided are a tilt cylinder 9 and angle cylinder 10 for pivotally tilting a blade 7 selectively leftward and rightward and for pivotally angling the blade 7 selectively forward and rearward, respectively, and an additional actuator for actuating an additional attachment. Also provided are a tilting/angling pressure oil feed means comprising a tilting/angling directional control valve 19 for controlling a flow of pressure oil to be fed to one of the cylinders 9,10 and a selector valve 20 for selectively feeding pressure oil, which flows out of the directional control valve 19 , to one of the cylinders 9,10. An additional pressure oil feed means for feeding pressure oil to the additional actuator 27 is provided independently of the tilting/angling directional control valve, and the additional pressure oil feedmeans has an additional directional control valve 29.

IPC 8 full level
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CPC (source: EP KR)
E02F 3/325 (2013.01 - EP); **E02F 3/964** (2013.01 - EP); **E02F 9/22** (2013.01 - KR); **E02F 9/2203** (2013.01 - EP); **E02F 9/2225** (2013.01 - EP); **E02F 9/2285** (2013.01 - EP); **E02F 9/2292** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP); **F15B 11/02** (2013.01 - KR); **F15B 11/162** (2013.01 - EP); **F15B 11/17** (2013.01 - EP KR); **F15B 2211/20553** (2013.01 - EP); **F15B 2211/20576** (2013.01 - EP); **F15B 2211/30535** (2013.01 - EP); **F15B 2211/30585** (2013.01 - EP); **F15B 2211/3059** (2013.01 - EP); **F15B 2211/329** (2013.01 - EP); **F15B 2211/6054** (2013.01 - EP); **F15B 2211/6355** (2013.01 - EP); **F15B 2211/781** (2013.01 - EP)

Citation (search report)
See references of WO 2006080296A1

Cited by
EP2358946A4; WO2010054152A2

Designated contracting state (EPC)
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