

Title (en)

Hydraulic lock

Title (de)

Hydraulische Verriegelungsvorrichtung

Title (fr)

Dispositif de verrouillage hydraulique.

Publication

EP 1832686 A1 20070912 (EN)

Application

EP 06118421 A 20060803

Priority

CN 06250185 U 20060306

Abstract (en)

A hydraulically-controlled lock apparatus for a hydraulic excavator is disclosed. The apparatus includes a first main pump (6), a second main pump (5), a main control valve (8), a first travel motor (1), a second travel motor (2), and a hydraulic fluid reservoir (4). The hydraulic circuits from the first main pump (6) and the said second main pump (5) to the main control valve (8) are connected respectively to the two entrances of a hydraulic unloading valve. The exit of the hydraulic unloading valve is connected to the hydraulic fluid reservoir (4). The hydraulic unloading valve is a logic unloading valve (3), or a 2/2 way unloading valve (9), or a pilot hydraulically-controlled unloading valve (10). The hydraulically-controlled lock apparatus disclosed by the present invention while effectively reducing the loss of fluid return pressure of the hydraulically manipulating valve, features simple structure, easy manipulation, reliable operation, and a high price to performance ratio.

IPC 8 full level

E02F 9/22 (2006.01)

CPC (source: EP)

E02F 9/2253 (2013.01); **E02F 9/226** (2013.01); **E02F 9/2292** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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AL BA HR MK YU

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