

Title (en)
CONSTRUCTION MACHINE

Title (de)
BAUMASCHINE

Title (fr)
ENGIN DE CHANTIER

Publication
EP 3974585 B1 20240117 (EN)

Application
EP 20927702 A 20200324

Priority
JP 2020012951 W 20200324

Abstract (en)
[origin: EP3974585A1] A hydraulic excavator (1) includes: a blade (20) rotatably mounted on a lower traveling body (2) and extending in the left-and-right direction; a mast (24) mounted on either a left end portion (20C) or a right end portion (20E) of the blade (20) and extending in the vertical direction; and a prism (25) provided on an upper end side of the mast (24) to detect the position of the blade (20). The hydraulic excavator (1) is also provided with a left proximity sensor (27) and a right proximity sensor (28) detecting whether the mast (24) is mounted either on the left end portion (20C) or the right end portion (20E) of the blade (20), and a rotation limiting device (29) limiting the revolving range for allowing an upper revolving structure (4) to revolve, depending on the mounting position of the mast (24) detected by the left proximity sensor (27) and the right proximity sensor (28).

IPC 8 full level
E02F 9/12 (2006.01); **E02F 3/32** (2006.01); **E02F 9/24** (2006.01); **E02F 3/815** (2006.01)

CPC (source: EP)
E02F 3/325 (2013.01); **E02F 3/435** (2013.01); **E02F 3/847** (2013.01); **E02F 3/964** (2013.01); **E02F 9/123** (2013.01); **E02F 9/2033** (2013.01); **E02F 3/815** (2013.01); **E02F 9/265** (2013.01)

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