

Title (en)

Hydraulic drive system for hydraulic excavator

Title (de)

Hydraulisches Antriebssystem für einen hydraulischen Bagger

Title (fr)

Système de commande hydraulique pour une excavatrice hydraulique

Publication

**EP 0849406 A1 19980624 (EN)**

Application

**EP 97120554 A 19971124**

Priority

JP 34127096 A 19961220

Abstract (en)

When a changeover switch (45) is turned to a "front side" position, upstream portions of pilot lines are connected to boom-up/down lines, arm dumping/crowding lines, and bucket crowding/dumping lines, respectively, causing pilot pressures to control valves for driving hydraulic actuators of a work front (5). When the changeover switch is turned to a "blade side" position, the upstream portions of the pilot lines are connected to blade-up/down lines, blade left/right-angling lines, and blade right/left-rising tilt pilot lines, respectively, causing pilot pressures to control valves for driving hydraulic actuators of a blade (3). The blade can be operated in various behaviors without narrowing a space in a cab and deteriorating operability of the blade. <IMAGE>

IPC 1-7

**E02F 9/20**; **E02F 3/84**; **E02F 9/22**

IPC 8 full level

**E02F 3/85** (2006.01); **E02F 3/84** (2006.01); **E02F 9/20** (2006.01); **E02F 9/22** (2006.01); **E02F 3/34** (2006.01)

CPC (source: EP KR)

**E02F 3/325** (2013.01 - EP); **E02F 3/84** (2013.01 - KR); **E02F 3/844** (2013.01 - EP); **E02F 9/2025** (2013.01 - EP); **E02F 9/2221** (2013.01 - EP)

Citation (search report)

- [AD] PATENT ABSTRACTS OF JAPAN vol. 096, no. 001 31 January 1996 (1996-01-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 208 (M - 1117) 28 May 1991 (1991-05-28)

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