

Title (en)  
DUPLICATE LAYOUT OF CONTROL LEVER SETS OF A DISTRIBUTOR OF HYDRAULIC EQUIPMENT FOR TRUCKS, PARTICULARLY HYDRAULIC CRANES

Title (de)  
DOPPELANORDNUNG VON STEUERHEBELN EINES VERTEILERS FÜR HYDRAULISCHE GERÄTE EINES LASTKRAFTWAGENS, INSBESONDERE FÜR HYDRAULISCHE KRÄNE

Title (fr)  
AMENAGEMENT DUPLIQUE D'ENSEMBLES DE LEVIERS DE COMMANDE D'UN DISTRIBUTEUR D'EQUIPEMENT HYDRAULIQUE POUR CAMIONS, NOTAMMENT POUR GRUES HYDRAULIQUES

Publication  
**EP 1086039 A1 20010328 (EN)**

Application  
**EP 99929159 A 19990609**

Priority  
• EP 9903969 W 19990609  
• IT TO980109 U 19980616

Abstract (en)  
[origin: WO9965815A1] A duplicate layout of sets (11-12) of control levers of a distributor (10) of hydraulic equipment for trucks, particularly hydraulic cranes, wherein a direct control set (11) is provided with levers (110a-e) whose respective arms are axially aligned with first forks (13'a-e) for the articulation of the ends of corresponding transmission rods (14a-e) and the other duplicate control set (12) is provided with levers (120a-e) whose arms are axially offset with respect to second forks (13"a-e) for the articulation of the other ends of the transmission rods (14a-e), each one of the axially offset arms being connected to the corresponding second forks (13"a-e) by means of its own arm portion (121a-e) which is folded substantially at right angles and runs parallel to the axis of the pivoting shaft (15) of the second articulation forks (13"a-e).

IPC 1-7  
**B66C 13/56**; G05G 11/00; F15B 13/042; E02F 9/20

IPC 8 full level  
**B66C 13/56** (2006.01); **E02F 9/20** (2006.01); **F15B 13/042** (2006.01); **G05G 11/00** (2006.01)

CPC (source: EP)  
**B66C 13/56** (2013.01); **E02F 9/2004** (2013.01); **F15B 13/0422** (2013.01); **G05G 11/00** (2013.01)

Designated contracting state (EPC)  
AT DE ES FR IT SE

DOCDB simple family (publication)  
**WO 9965815 A1 19991223**; AT E226918 T1 20021115; AU 4606899 A 20000105; DE 69903725 D1 20021205; DE 69903725 T2 20030612; EP 1086039 A1 20010328; EP 1086039 B1 20021030; ES 2186370 T3 20030501; IT 245853 Y1 20020326; IT TO980109 U1 19991216

DOCDB simple family (application)  
**EP 9903969 W 19990609**; AT 99929159 T 19990609; AU 4606899 A 19990609; DE 69903725 T 19990609; EP 99929159 A 19990609; ES 99929159 T 19990609; IT TO980109 U 19980616