Title (en)
Lifting device

Title (de)
Hebevorrichtung

Title (fr)
Dispositif de levage

Publication
EP 1002749 A3 20010328 (DE)

Application
EP 99121992 A 19991110

Priority
US 19617398 A 19981120

Abstract (en)
[origin: EP1002749A2] The lifting equipment has a cam lifter arm(24) which is connected by its first end to the lifting arm(22). A cam lifter(28) is connected to the cam lifter arm, and a drive component(34) is connected to the second end of the cam lifter arm. A roller(36) is connected to the drive component and a ramp(38) is provided for guiding the roller. The guide ramp is rotatable around a pivot(40) formed by the connecting line between respective holes formed in a pair of bushes. An Independent claim is included for a procedure for adjusting the travel of the lifting arm in which the guide ramp is rotated to a fixed position and locked there.

IPC 1-7
B65H 1/06; B65H 3/34; B65H 3/54

IPC 8 full level
B66F 7/22 (2006.01); **B65H 1/14** (2006.01); **B65H 3/34** (2006.01); **B65H 3/50** (2006.01)

CPC (source: EP US)
B65H 3/34 (2013.01 - EP US); **B65H 3/50** (2013.01 - EP US); B65H 2301/42322 (2013.01 - EP US); Y10T 74/16 (2015.01 - EP US); Y10T 74/1683 (2015.01 - EP US); Y10T 74/1828 (2015.01 - EP US)

Citation (search report)
- [A] US 3394930 A 19680730 - ERNST GUGGISBERG
- [A] US 1745404 A 19300204 - JOHN CLATWORTHY
- [A] GB 2309218 A 19970723 - HEIDELBERGER DRUCKMASCH AG [DE]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1002749 A2 20000524; **EP 1002749 A3 20010328**; **EP 1002749 B1 20040303**; DE 19953669 A1 20000525; DE 19953669 B4 20100422; DE 59908712 D1 20040408; JP 2000198693 A 20000718; JP 4442968 B2 20100331; US 6167768 B1 20010102

DOCDB simple family (application)
EP 99121992 A 19991110; DE 19953669 A 19991108; DE 59908712 T 19991110; JP 32094799 A 19991111; US 19617398 A 19981120