

Title (en)

Unattended parking apparatus

Title (de)

Nicht überwachte Parkvorrichtung

Title (fr)

Appareil automatique de stationnement

Publication

EP 1022393 A2 20000726 (EN)

Application

EP 99402587 A 19991020

Priority

- JP 1436199 A 19990122
- JP 1446199 A 19990122

Abstract (en)

An unattended parking apparatus comprising a stopper plate which is moved upwardly towards the bottom surface of a vehicle accessed to a predetermined parking position and which is moved downwardly after the bill has been settled to permit departure of the vehicle, said unattended parking apparatus comprising : a plurality of stopper plates (2, 3) disposed one behind the other in a direction parallel to the longitudinal axis of the vehicle a hydraulic circuit including a plurality of hydraulic cylinders which are operated by a hydraulic pressure source, each hydraulic cylinder being arranged to operate upward and downward movements of a stopper plate, and a relief mechanism arranged to relieve the pressure in each hydraulic cylinder when a load which is exerted on said stopper plates is greater than a predetermined value <IMAGE>

IPC 1-7

E01F 13/12

IPC 8 full level

E01F 13/08 (2006.01); **E01F 13/12** (2006.01)

CPC (source: EP)

E01F 13/085 (2013.01); **E01F 13/12** (2013.01)

Cited by

CN108630012A; CN106121299A; CN108774971A

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 1022393 A2 20000726; EP 1022393 A3 20030618

DOCDB simple family (application)

EP 99402587 A 19991020