

Title (en)

GEAR ARRANGEMENT FOR ALTERNATIVELY ACTUATING TWO READING/Writing UNITS FOR CHIP CARDS ARRANGED ESSENTIALLY ON A PLANE IN A TACHOGRAPH FOR THE PURPOSE OF RESPECTIVELY TRANSPORTING A CHIP CARD TO A WITHDRAWAL POSITION

Title (de)

GETRIEBEANORDNUNG ZUM WECHSELWEISEN BETÄTIGEN VON ZWEI IN EINEM FAHRTSCHREIBER IM WESENTLICHEN IN EINER EBENE ANGEORDNETEN LESE-/SCHREIBAGGREGATEN FÜR CHIPKARTEN IM SINNE EINES TRANSPORTS JEWEILS EINER CHIPKARTE IN DIE ENTNAHMEPOSITION

Title (fr)

ENSEMBLE D'ENTRAÎNEMENT POUR L'ACTIONNEMENT ALTERNE DE DEUX UNITÉS DE LECTURE / ECRITURE POUR CARTES À PUCE, PLACÉES ESSENTIELLEMENT DANS UN PLAN DANS UN TACHYGRAPHE, EN VUE DU TRANSPORT D'UNE CARTE À PUCE DANS LA POSITION DE PRÉLEVEMENT

Publication

EP 1419487 A2 20040519 (DE)

Application

EP 02754543 A 20020819

Priority

- DE 0203038 W 20020819
- DE 10141177 A 20010822

Abstract (en)

[origin: WO03019479A2] The invention relates to a gear arrangement actuated by a control motor (38), which can be reversed in the rotational direction thereof in order to emit a chip card of a tachograph. Said gear arrangement is provided with a slide-rod (3, 4) for each reading/writing unit, said slide-rod being embodied in the form of a toothed rack being able to be displaced in the direction of movement of the chip card. A control slider (9) which is actuated by the control motor (38) is coupled gearwise to said slide-rods (3, 4) so that when the control slider (9) is displaced, the slide-rods (3, 4) carry out a movement in the opposite direction.

IPC 1-7

G07C 5/12

IPC 8 full level

G07C 5/00 (2006.01); **G07C 5/08** (2006.01); **G07C 7/00** (2006.01)

CPC (source: EP US)

G07C 5/0858 (2013.01 - EP US); **G07C 7/00** (2013.01 - EP US)

Citation (search report)

See references of WO 03019479A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 03019479 A2 20030306; **WO 03019479 A3 20030814**; AT E384316 T1 20080215; BR 0211906 A 20040921; DE 10141177 A1 20030306; DE 50211562 D1 20080306; DK 1419487 T3 20080526; EP 1419487 A2 20040519; EP 1419487 B1 20080116; ES 2300462 T3 20080616; JP 2005518576 A 20050623; JP 4149922 B2 20080917; US 2004159706 A1 20040819; US 6966492 B2 20051122

DOCDB simple family (application)

DE 0203038 W 20020819; AT 02754543 T 20020819; BR 0211906 A 20020819; DE 10141177 A 20010822; DE 50211562 T 20020819; DK 02754543 T 20020819; EP 02754543 A 20020819; ES 02754543 T 20020819; JP 2003523465 A 20020819; US 77324904 A 20040209