

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'ENTRAINEMENT POUR L'ACTIONNEMENT ALTERNE DE DEUX UNITES DE LECTURE / ECRITURE POUR CARTES A PUCE, PLACEES ESSENTIELLEMENT DANS UN PLAN DANS UN TACHYGRAPHE, EN VUE DU TRANSPORT D'UNE CARTE A PUCE DANS LA POSITION DE PRELEVEMENT

Publication

**EP 1419487 B1 20080116 (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 8 full level

**G07C 5/00** (2006.01); **G07C 5/12** (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)

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