

Title (en)
COMBINED ROAD-RAIL TRANSPORTATION SYSTEM

Publication
EP 0385840 A3 19910918 (DE)

Application
EP 90400522 A 19900226

Priority

- CS 230690 A 19900510
- DE 3906843 A 19890303
- DE 3917065 A 19890526
- DE 3939384 A 19891129
- HU 248390 A 19900419
- SK 230690 A 19900510

Abstract (en)
[origin: EP0385840A2] In a combined road-rail transportation system consisting of a locomotive, semi-trailer motor vehicles, semi-trailers and rail running gear, the semi-trailers are provided at the ends with in each case one kingpin and the rail running gear is provided with two fifth-wheel couplings arranged in the travel direction one behind the other on a coupling adaptor connected in articulated fashion to the rail running gear.
<IMAGE>

IPC 1-7
B61D 3/18; B62D 53/08

IPC 8 full level
B61F 3/12 (2006.01); **B61D 3/10** (2006.01); **B61D 3/12** (2006.01); **B61D 3/18** (2006.01); **B61D 45/00** (2006.01); **B62D 53/08** (2006.01)

CPC (source: EP)
B61D 3/12 (2013.01); **B61D 3/184** (2013.01); **B61D 45/005** (2013.01)

Citation (search report)

- [X] US 4718800 A 19880112 - ENGLE THOMAS H [US]
- [X] US 2844108 A 19580722 - MADDEN CHARLES L
- [X] US 4416571 A 19831122 - KRAUSE ROBERT A [US]
- [A] EP 0241099 A1 19871014 - ALPHA ENGINEERING INGENIEURS E [NL]
- [A] US 2963986 A 19601213 - DOBSON RICHARD N
- [A] EP 0051464 A2 19820512 - HARRIS JOHN
- [AP] EP 0328852 A1 19890823 - FERROSUD SPA [IT]

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0385840 A2 19900905; EP 0385840 A3 19910918; EP 0385840 B1 19951115; AT E130258 T1 19951215; CS 9002306 A2 19911112; CZ 283985 B6 19980715; DE 59009863 D1 19951221; DK 0385840 T3 19960409; ES 2079456 T3 19960116; FI 109671 B 20020930; FI 900965 A0 19900226; HU 212214 B 19960429; HU 902483 D0 19900828; HU T58226 A 19920228; NO 900987 D0 19900301; NO 900987 L 19900904; SK 279364 B6 19981007

DOCDB simple family (application)
EP 90400522 A 19900226; AT 90400522 T 19900226; CS 230690 A 19900510; DE 59009863 T 19900226; DK 90400522 T 19900226; ES 90400522 T 19900226; FI 900965 A 19900226; HU 248390 A 19900419; NO 900987 A 19900301; SK 230690 A 19900510