

Title (en)
COMBINED ROAD-RAIL TRANSPORTATION SYSTEM

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Application
EP 90400522 A 19900226

Priority

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- 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>

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B61D 3/18; **B62D 53/08**

IPC 8 full level
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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)
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