

Title (en)
Rail guard support structure of a railway vehicle

Title (de)
Tragstruktur des Bahnräumers von einem Schienenfahrzeug

Title (fr)
Structure de support du déblayeur d'obstacle d'un véhicule ferroviaire

Publication
EP 1468890 A1 20041020 (EN)

Application
EP 03009097 A 20030419

Priority
EP 03009097 A 20030419

Abstract (en)
In a rail guard support structure of a railway vehicle with crashworthiness, an energy absorbing pipe member 5 is provided behind a rail guard 1, a rear end portion of the energy absorbing pipe member 5 is connected to an energy absorbing element support device (support members 6, 7L, 7R, 8L, and 8R) attached to a vehicle body frame, and upper edge portions of right and left side portions of the rail guard 1 are supported by the vehicle body frame by means of a rail guard support device at a location behind a crush zone S at the front portion of the vehicle body and lateral of the energy absorbing element support device. <IMAGE>

IPC 1-7
B61D 15/06

IPC 8 full level
B61D 15/06 (2006.01)

CPC (source: EP)
B61D 15/06 (2013.01)

Citation (search report)

- [XY] EP 1251054 A2 20021023 - KAWASAKI HEAVY IND LTD [JP]
- [YA] WO 9851555 A1 19981119 - ABB DAIMLER BENZ TRANSP [DE], et al
- [A] DE 635018 C 19360914 - FRANZ KRUCKENBERG DIPL ING, et al
- [A] EP 0655565 A1 19950531 - GEC ALSTHOM TRANSPORT SA [FR]
- [A] NL 8900633 A 19901001 - SICOMMERCE AG
- [AD] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19 5 June 2001 (2001-06-05)

Cited by
CN106817941A; EP2017153A3; AU2013401446B2; RU2646708C2; EP1930227A1; US10124815B2; WO2015043651A1

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