

Title (en)  
MULTI-PURPOSE BOGIE FOR RAIL VEHICLES

Publication  
**EP 0384512 A3 19910502 (EN)**

Application  
**EP 90200299 A 19900209**

Priority  
IT 1955589 A 19890224

Abstract (en)  
[origin: EP0384512A2] A drive and/or supporting bogie for rail vehicles consisting of a bogie frame (11) provided with a swinging cross-member (12) fixed to hangers (15) in such a manner as to be very close to the ground, ie to the rail plane, each wheel of the bogie being independent and driven separately by its own motor-reduction gear unit (29-30).

IPC 1-7  
**B61F 3/04**; **B61D 17/10**; **B61D 13/00**

IPC 8 full level  
**B61D 13/00** (2006.01); **B61D 17/10** (2006.01); **B61F 3/04** (2006.01)

CPC (source: EP KR)  
**B61D 13/00** (2013.01 - EP); **B61D 17/10** (2013.01 - EP); **B61F 3/04** (2013.01 - EP); **B61F 5/00** (2013.01 - KR)

Citation (search report)

- [X] US 4644872 A 19870224 - VIANELLO GIORGIO [IT], et al
- [A] EP 0288589 A1 19881102 - SIEMENS AG [DE]
- [A] US 2404091 A 19460716 - PORTEUS JOHN H
- [A] FR 1170814 A 19590119

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Designated contracting state (EPC)  
AT BE DE ES FR GB GR SE

DOCDB simple family (publication)  
**EP 0384512 A2 19900829**; **EP 0384512 A3 19910502**; **EP 0384512 B1 19940525**; AT E106049 T1 19940615; DE 69009076 D1 19940630; DE 69009076 T2 19950302; ES 2055297 T3 19940816; IT 1228887 B 19910709; IT 8919555 A0 19890224; KR 900012805 A 19900901

DOCDB simple family (application)  
**EP 90200299 A 19900209**; AT 90200299 T 19900209; DE 69009076 T 19900209; ES 90200299 T 19900209; IT 1955589 A 19890224; KR 900002208 A 19900222