

Title (en)
ANTI-LOCK BRAKING FOR A VEHICLE WITH STEERABLE WHEELS

Title (de)
ANTIBLOCKIERBREMSSEN FÜR EIN FAHRZEUG MIT LENKBAREN RÄDERN

Title (fr)
FREINAGE ANTI-BLOCAGE POUR VEHICULE A ROUES DIRECTRICES

Publication
EP 1509433 A1 20050302 (EN)

Application
EP 03737351 A 20030203

Priority
• GB 0300426 W 20030203
• GB 0202481 A 20020202

Abstract (en)
[origin: GB2384838A] In an anti-lock braking system for a commercial road vehicle trailer with compressed air brakes and including a self steer axle with such brakes, an electronic control unit (ECU) 16 selectively controls respective brake pressures to each side of another braking axle according to differential rolling surface adhesion to reduce skidding by way of respective pressure modulators 6L,6R. The output pressures from these modulators are additionally applied directly via an axle control valve 15 to brake actuators 14R, 14L of the wheels of the self-steer axle. The axle control valve 15 has diaphragm valves 23L,23R selectably connectable to atmospheric pressure or a reservoir pressure by solenoid valves 20L,20R electrically controlled by the ECU. This isolates the higher of said modulator pressures from the respective self-steer axle wheel brakes at the onset of anti-lock control and thereby tends to provide equal brake pressures to the self steer wheels corresponding to the modulator pressure at the low adhesion side of the other axle.

IPC 1-7
B60T 8/34

IPC 8 full level
B60T 8/17 (2006.01); **B60T 8/1764** (2006.01); **B60T 8/84** (2006.01)

CPC (source: EP)
B60T 8/1708 (2013.01); **B60T 8/1764** (2013.01)

Citation (search report)
See references of WO 03066401A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
GB 0202481 D0 20020320; **GB 2384838 A 20030806**; **GB 2384838 B 20050817**; AU 2003244449 A1 20030902; EP 1509433 A1 20050302; WO 03066401 A1 20030814

DOCDB simple family (application)
GB 0202481 A 20020202; AU 2003244449 A 20030203; EP 03737351 A 20030203; GB 0300426 W 20030203