

Title (en)
Collision guard.

Title (de)
Gegen Zusammenstoss schützende Vorrichtung.

Title (fr)
Dispositif de sécurité anti-collision.

Publication
EP 0052088 A1 19820519 (EN)

Application
EP 81850197 A 19811023

Priority
SE 8007824 A 19801106

Abstract (en)
A vehicle (1) is equipped with two rearward-protruding arms (3, 4) preferably spring-loaded which on reversing into an obstacle are telescopically pressed in and so actuate elements which cause the vehicle to stop or reduce its speed. The arms (3, 4) are provided with at least two devices (5, 8) for emitting and receiving radiation which passes between the arms (3, 4) the said devices (5, 8) controlling the drive unit of the vehicle in such a manner that an interruption in the beam of the second device (7, 8) causes the vehicle to stop unless two sensing elements (9, 10) mounted on each arm (3, 4) between the first device (5, 6) and the second device (7, 8) have both indicated that a pallet-like object has been introduced between the arms (3, 4), causing the vehicle to stop if a person, for example, is standing in its path but allowing it to continue if a pallet, for example, is there.

IPC 1-7
B66F 17/00

IPC 8 full level
B66F 17/00 (2006.01)

CPC (source: EP)
B66F 17/003 (2013.01)

Citation (search report)

- AT 300652 B 19720810 - SIMON HANDLING ENG LTD [GB]
- DE 2904123 A1 19790816 - BYGG OCH TRANSPORTTEKONOMIE AB
- US 2282201 A 19420505 - NEUMAN JACOB J
- DE 1944786 A1 19700305 - SIMON HANDLING ENG LTD
- DE 2254012 A1 19740516 - CLARK EQUIPMENT CO
- US 3034675 A 19620515 - QUAYLE GEORGE F
- US 3672470 A 19720627 - OHNTRUP FREDERICK F, et al
- DE 7833012 U1 19790329
- US 4109233 A 19780822 - ERICKSON CLIFFORD W
- Materials Handling News, March 1977 London "Now Driverless Lift Too" * page 57, column 3, line 32 to 40 *

Cited by
EP0309796A3; DE3732724A1; WO9622939A1

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