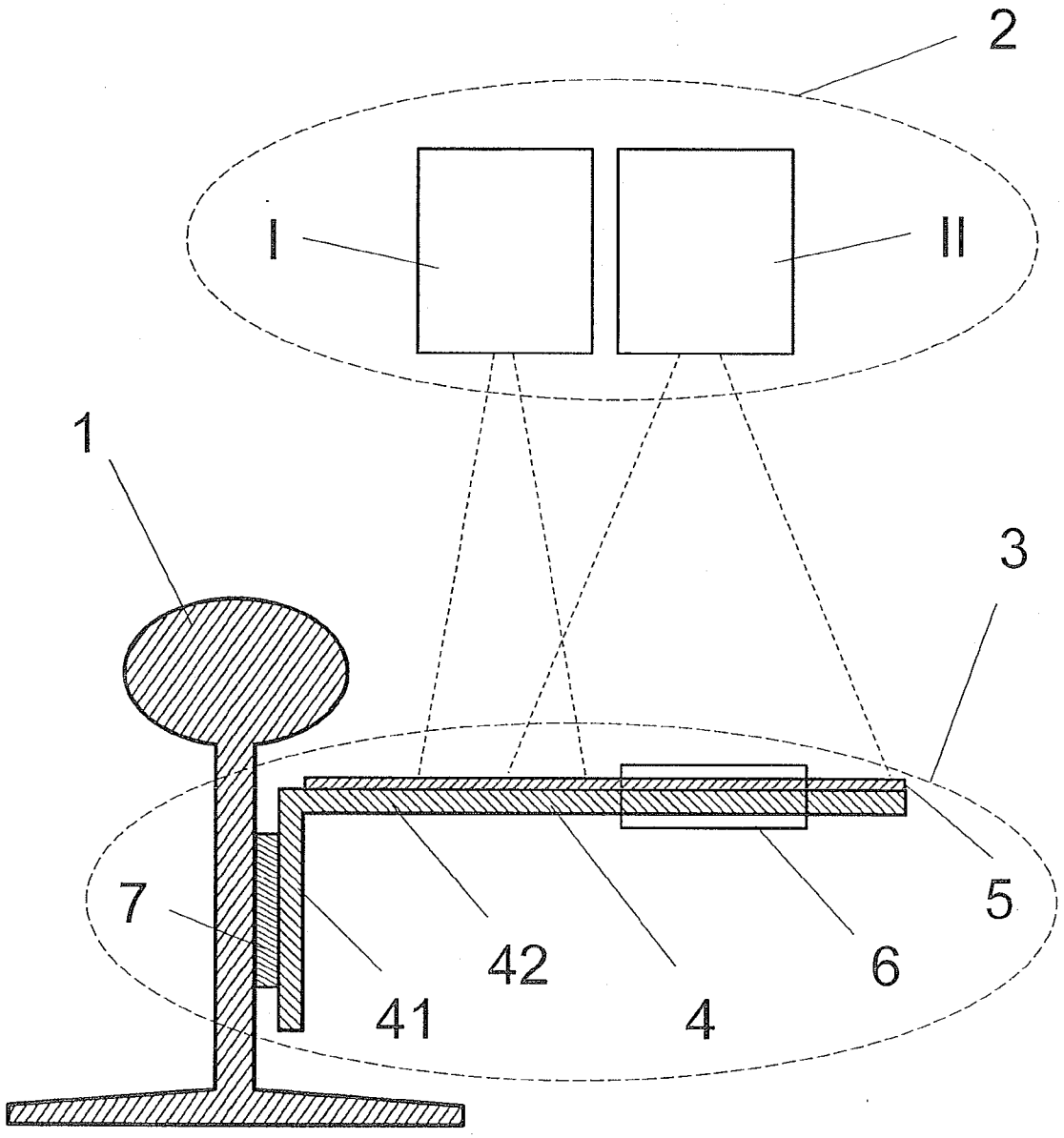


Fig. 1

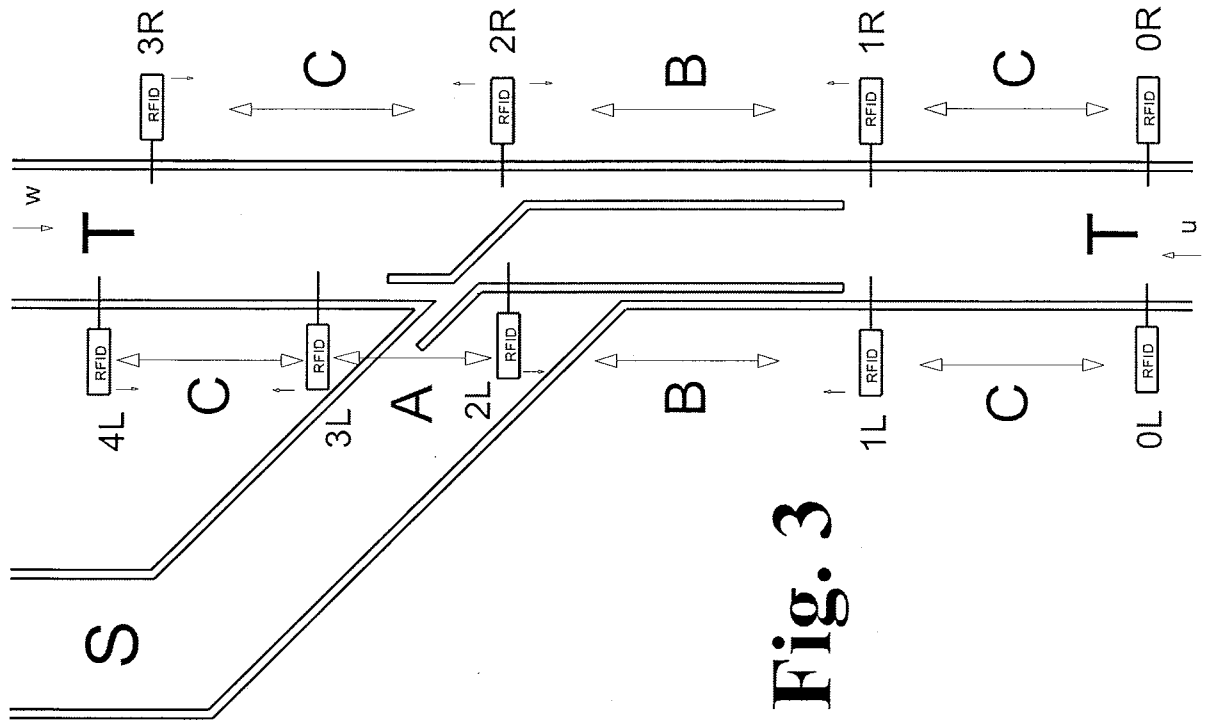

3R
2R
1R
0R
RFID
C
B
C
w
T
u
T
4L
3L
2L
1L
0L
C
A
B
C
S

Fig. 3

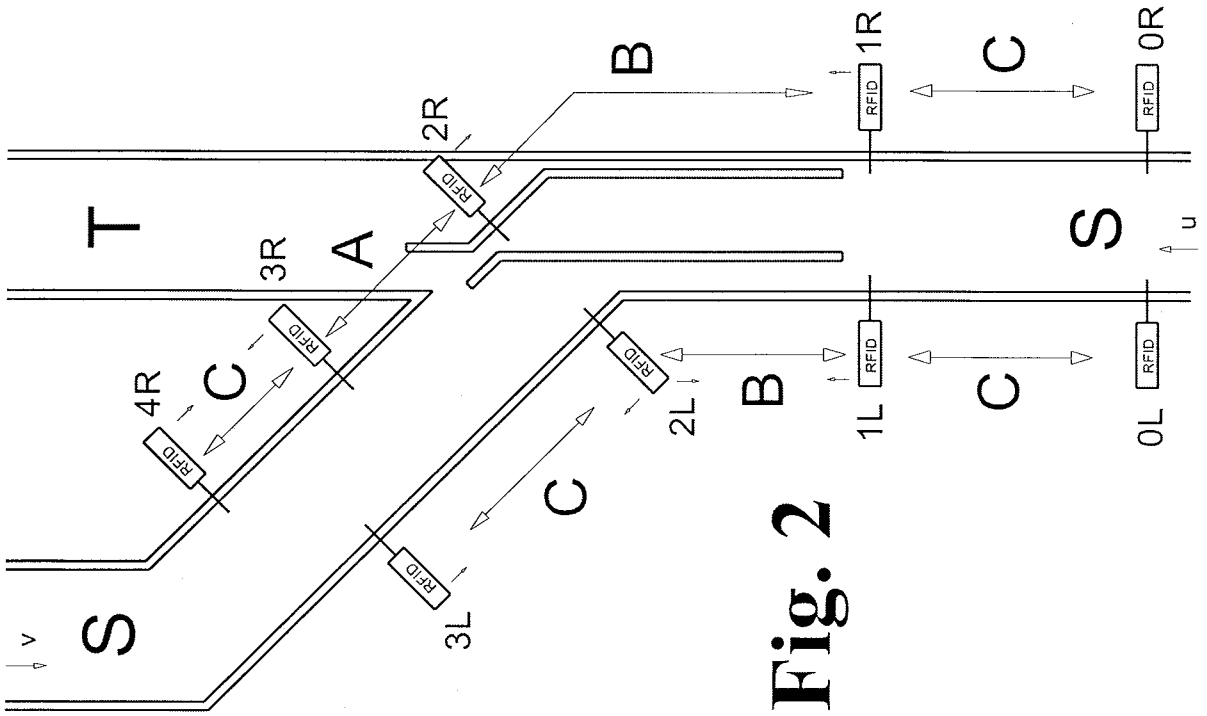

B
2R
1R
0R
RFID
C
T
3R
A
S
u
4R
C
2L
B
1L
C
0L
C
3L
S
v

Fig. 2

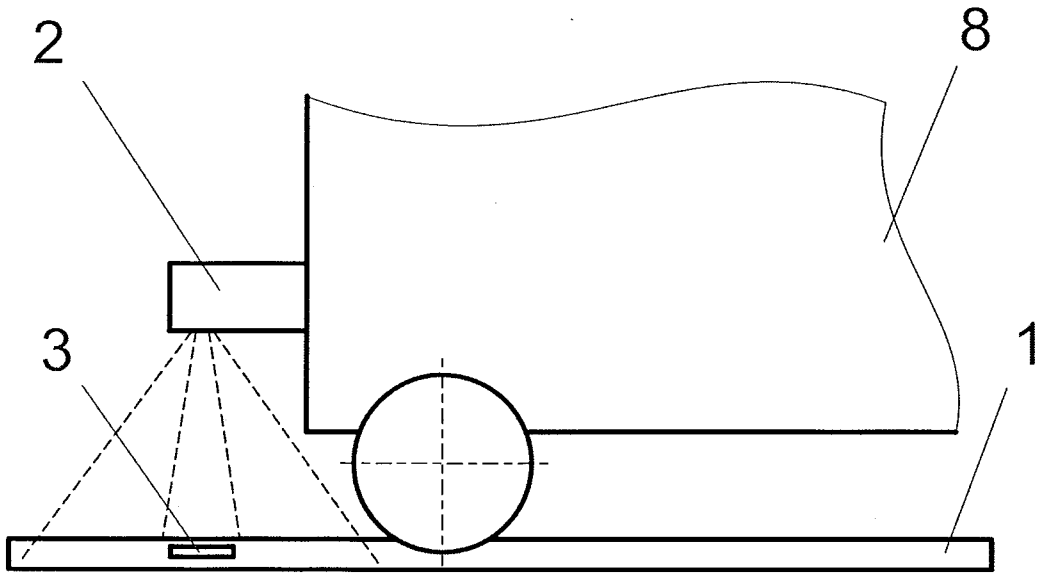


Fig. 4

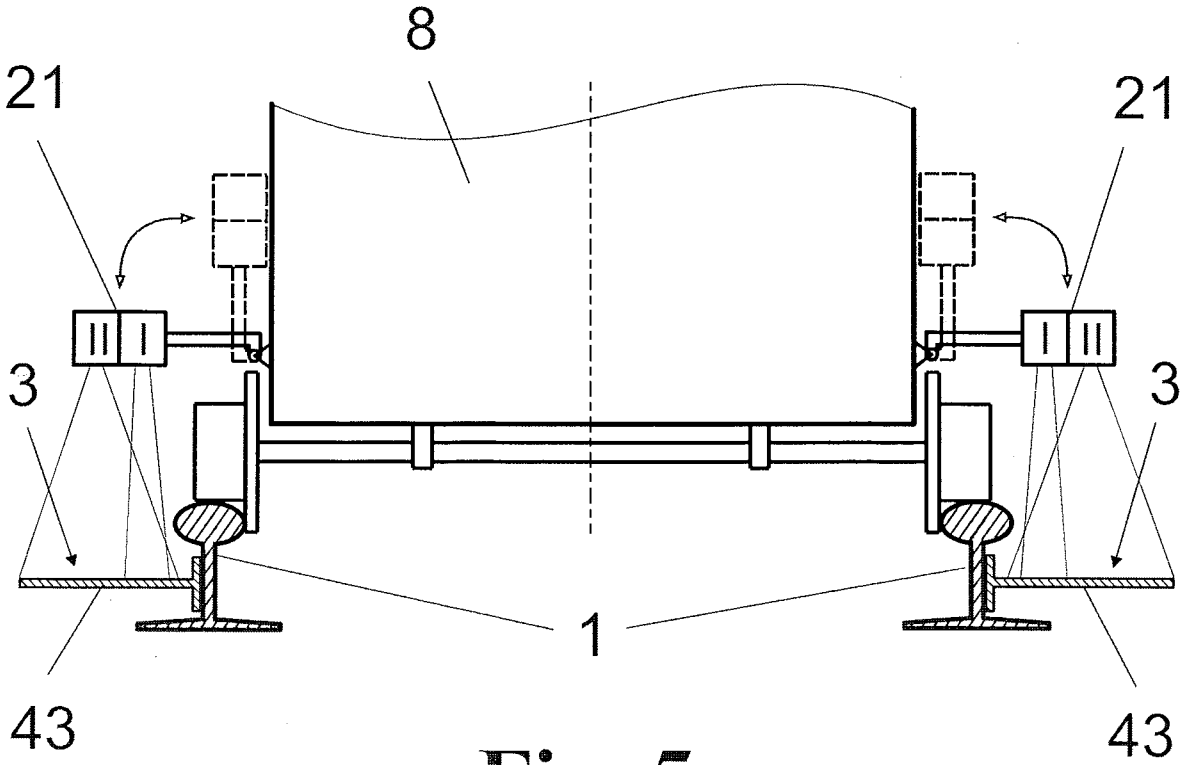


Fig. 5

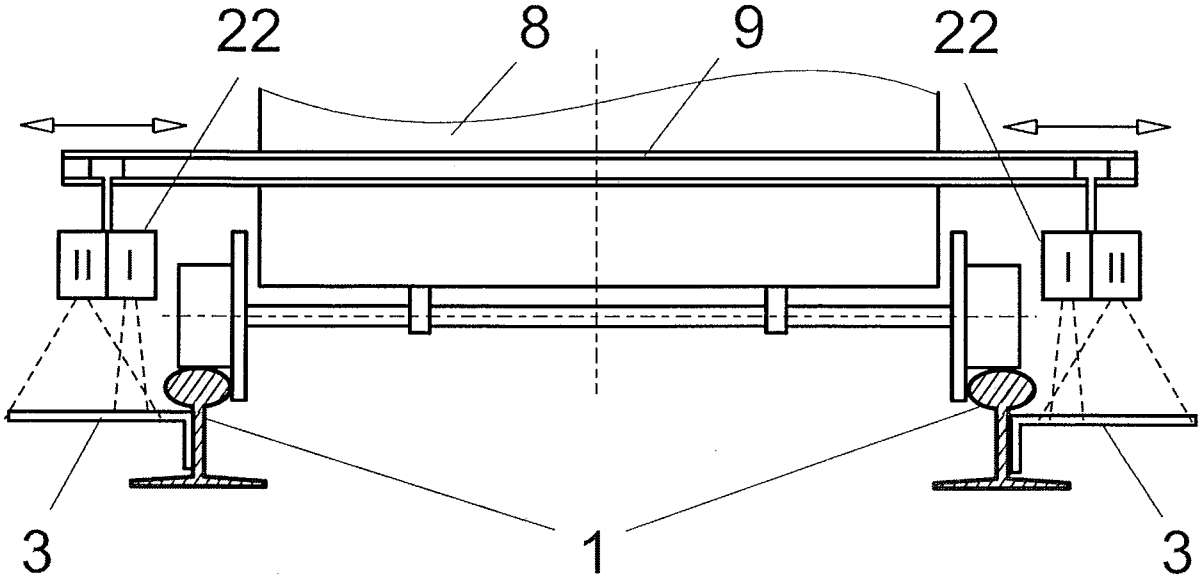


Fig. 6

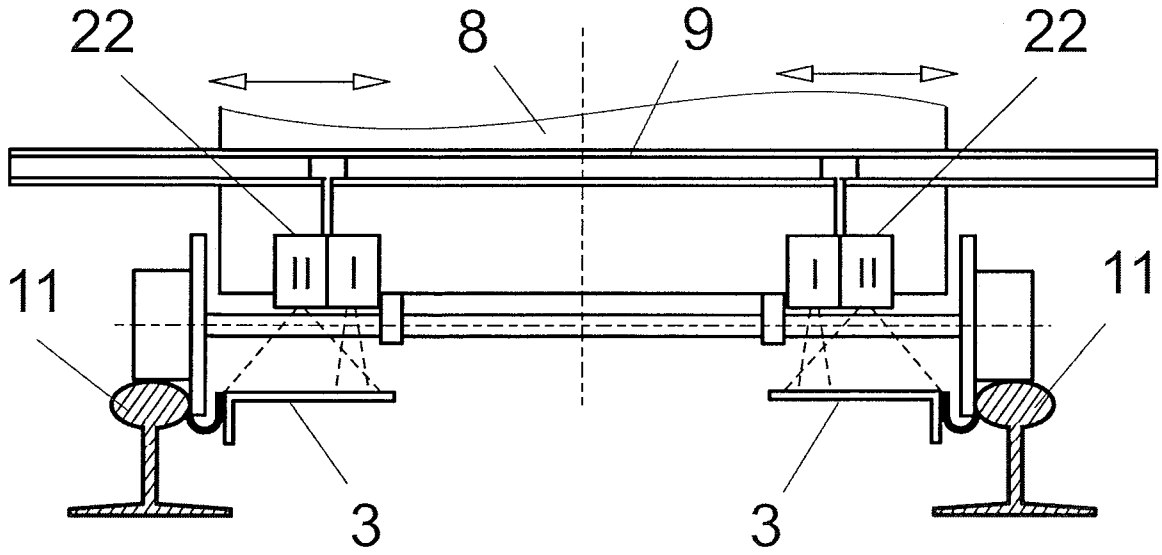


Fig. 7

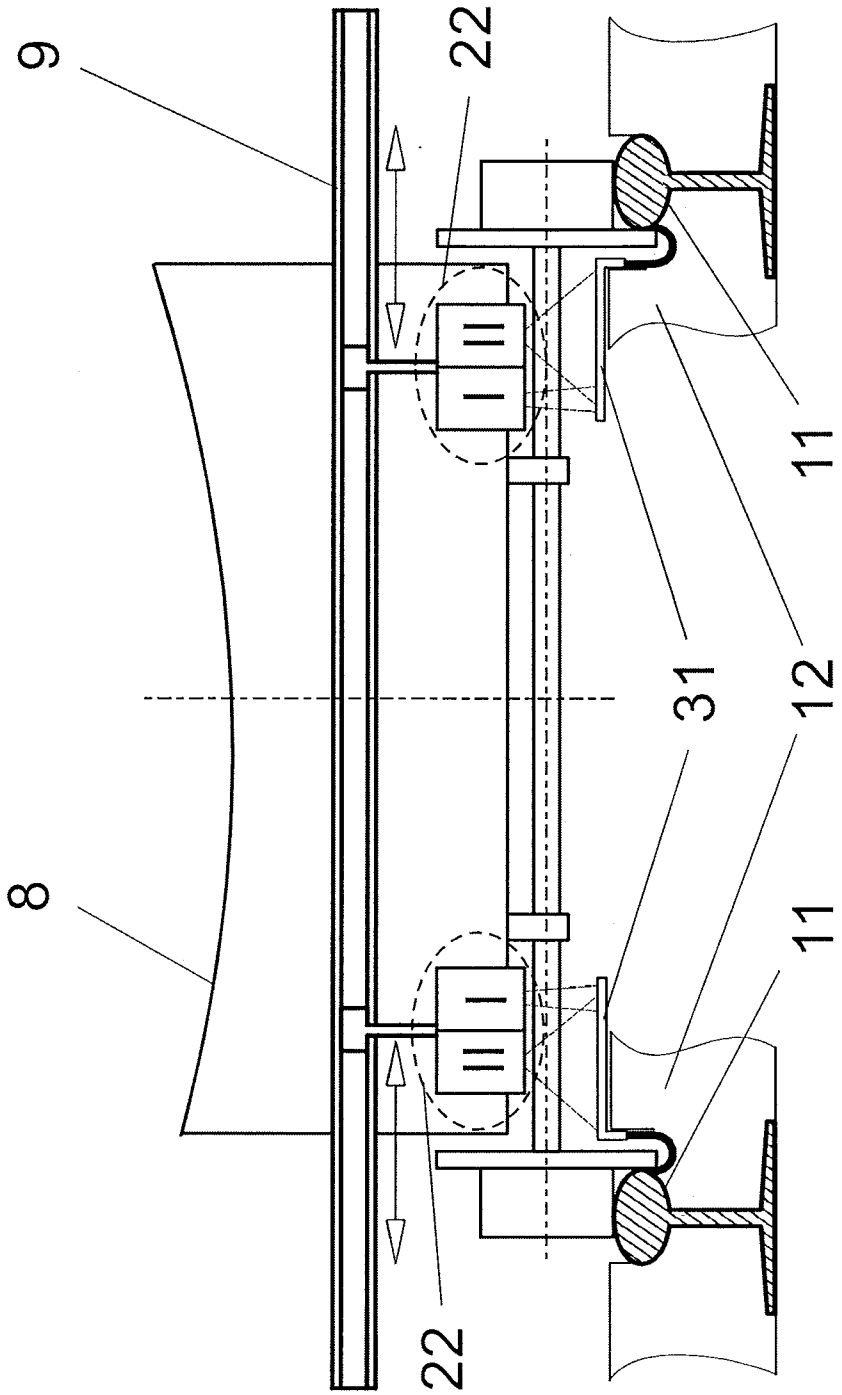


Fig. 8

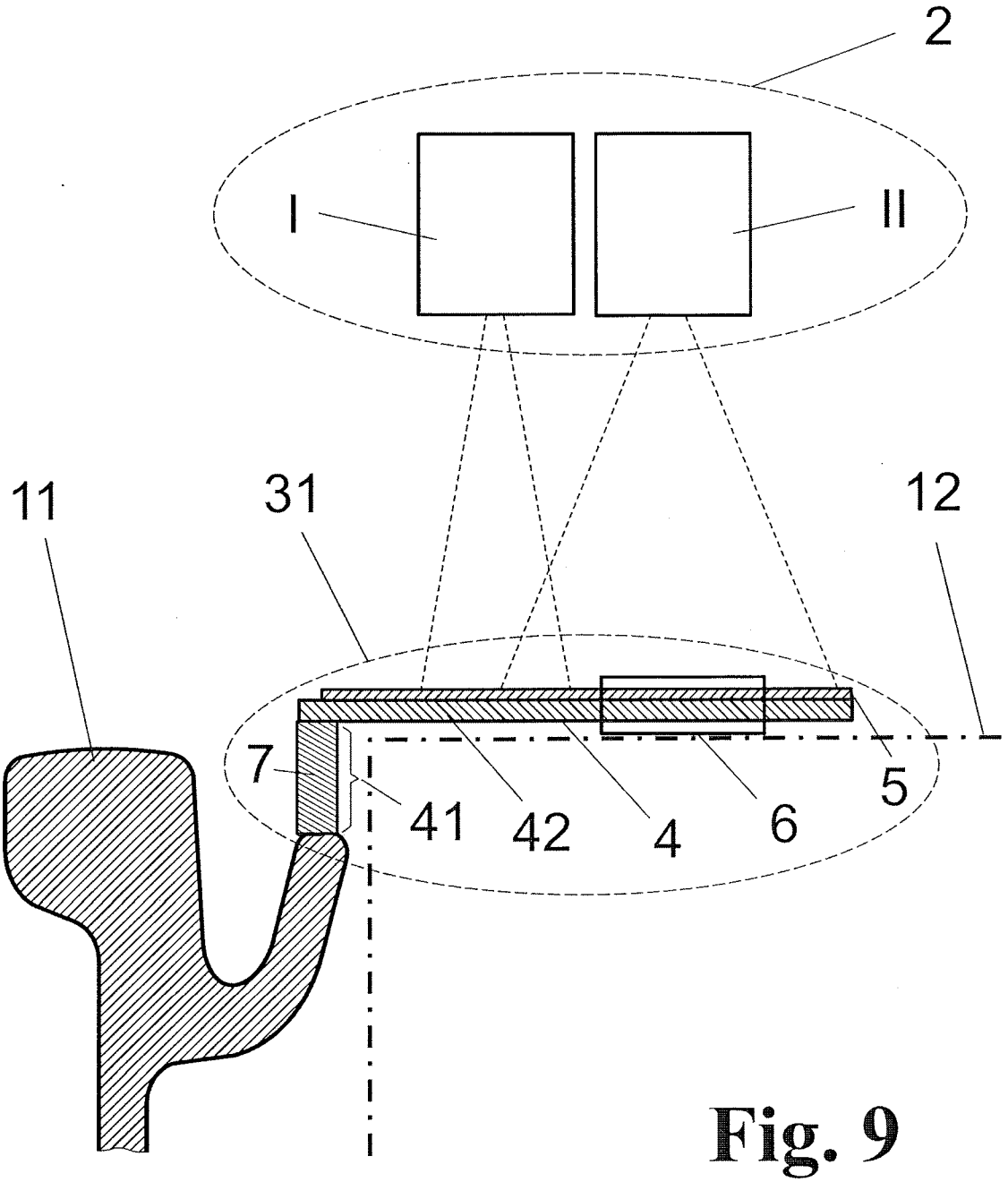


Fig. 9

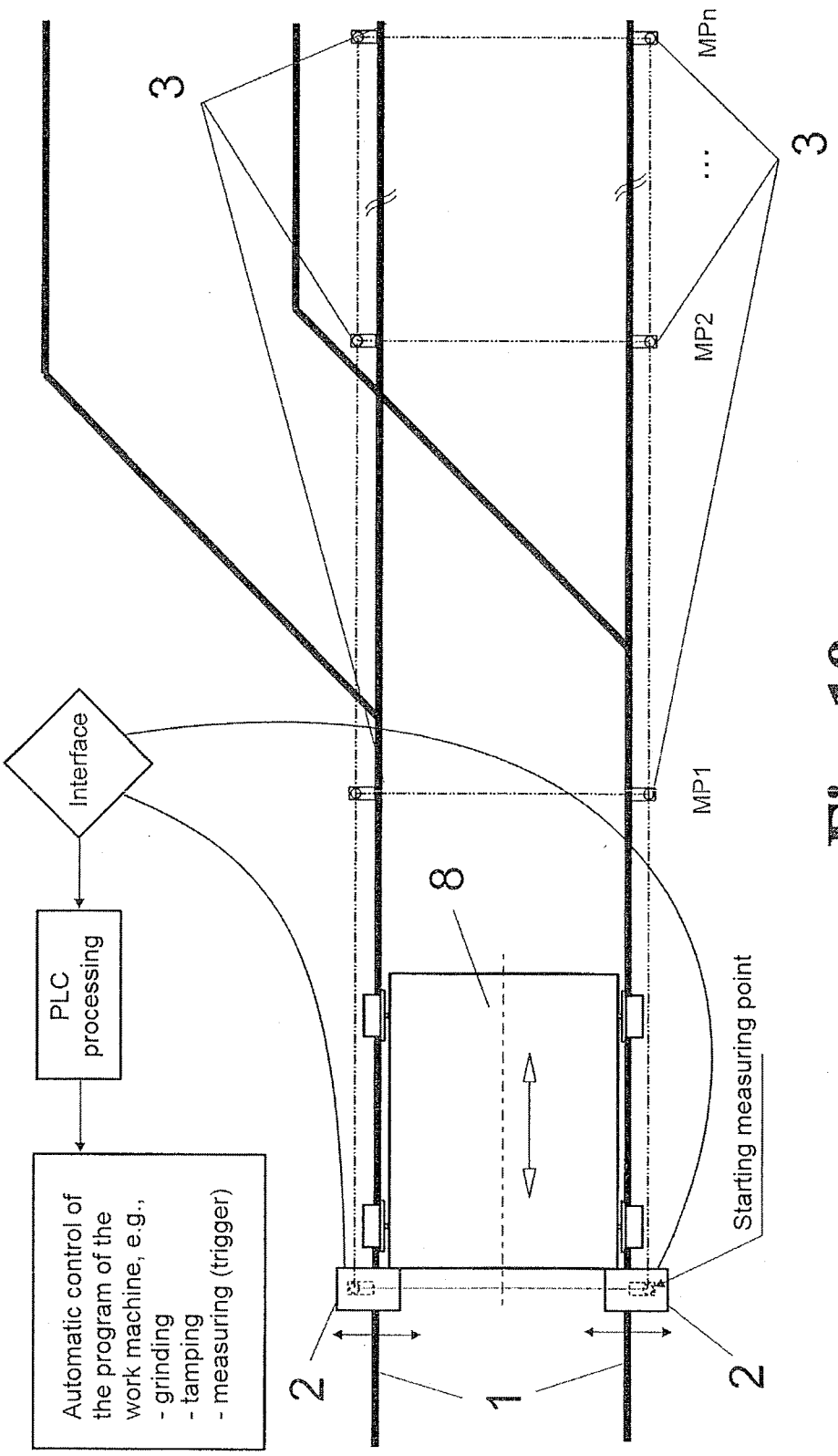

Interface
PLC processing
Automatic control of the program of the work machine, e.g.,
- grinding
- tamping
- measuring (trigger)
3
3
MPn
...
MP2
MP1
8
Starting measuring point
2
1
2

Fig. 10

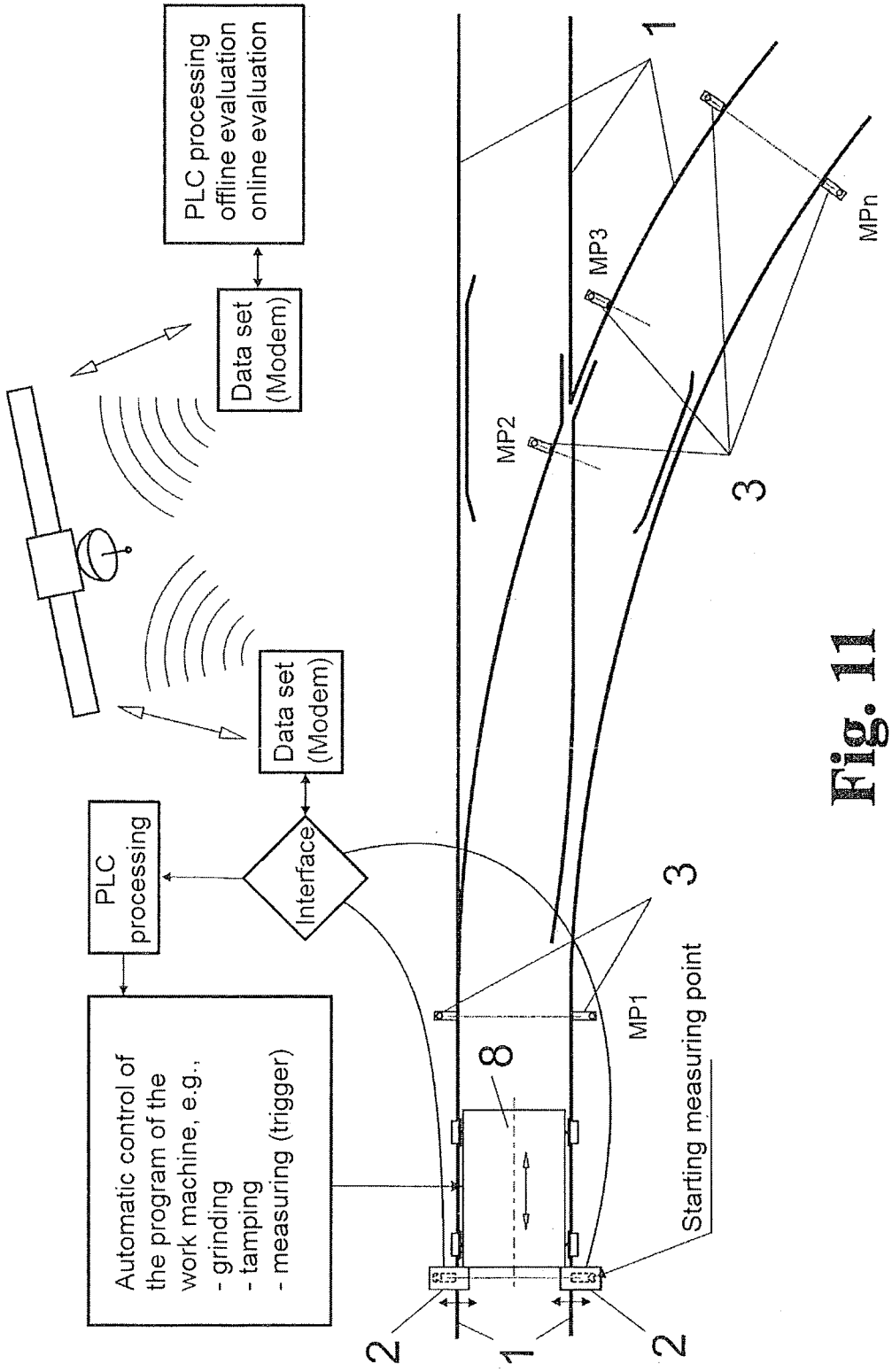

PLC processing
offline evaluation
online evaluation
Data set
(Modem)
Data set
(Modem)
Interface
PLC
processing
Automatic control of
the program of the
work machine, e.g.,
- grinding
- tamping
- measuring (trigger)
MP1
MP2
MP3
MPn
Starting measuring point
1
2
3
8

Fig. 11