

Title (en)  
RECEIVING MECHANISM FOR THE WEFT INSERTING DEVICE IN A LOOM

Publication  
**EP 0214575 B1 19900816 (DE)**

Application  
**EP 86112018 A 19860830**

Priority  
CH 386385 A 19850906

Abstract (en)  
[origin: US4673003A] A stopping mechanism includes a brake device for an insertion device and a detector for determining the position of the insertion device. The detector includes a sensor which subjects the insertion device to electromagnetic radiation in the microwave range and operates on the Doppler principle. The position of the insertion device is determined by counting the number of crossover points of the Doppler signal in relation to a reference position. The detector has a high degree of resolution and is particularly suitable for looms using gripper shuttles. It is also highly flexible in the location in which the sensor may be arranged in the stopping mechanism.

IPC 1-7  
**D03D 47/24**; **D03D 49/52**; **D03D 49/54**

IPC 8 full level  
**D03D 47/24** (2006.01); **D03D 49/52** (2006.01)

CPC (source: EP US)  
**D03D 47/24** (2013.01 - EP US); **D03D 49/52** (2013.01 - EP US)

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Designated contracting state (EPC)  
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**EP 0214575 A2 19870318**; **EP 0214575 A3 19880511**; **EP 0214575 B1 19900816**; CH 668444 A5 19881230; DE 3673480 D1 19900920; JP S6262954 A 19870319; US 4673003 A 19870616

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**EP 86112018 A 19860830**; CH 386385 A 19850906; DE 3673480 T 19860830; JP 20189686 A 19860829; US 90375686 A 19860905