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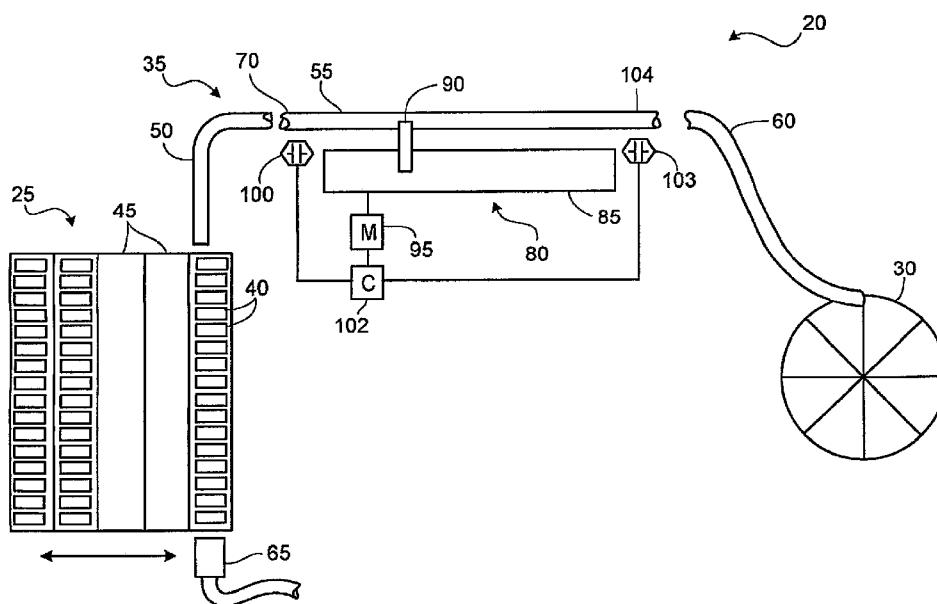
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(54) Title: COMPONENT CONTROL DEVICE, SYSTEMS, AND METHODS



(57) Abstract: The invention relates to apparatus, systems, and related methods for slowing the speed of components in transport systems. The apparatus includes a component track (55) extending between input and output ends and sized for receiving the components, a speed control device mounted adjacent the component track and comprising a projection (19) configured to move within the component track, a sensor (100) positioned upstream of the input end of the component track to detect the speed of the components approaching the component track, and a controller in communication with the sensor and configured to adjust the speed of the projection within the component track based on the speed of the components approaching the component track, to decelerate the components within the component track.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B65G G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 217 329 A (LANG HARTMUT [DE]) 8 June 1993 (1993-06-08)	10
A	column 7, line 60 - column 8, line 5; figure 1	1,6
A	US 6 322 295 B1 (GABRIELE DINO [CA]) 27 November 2001 (2001-11-27)	1
A	EP 0 165 473 A (IBM [US]) 27 December 1985 (1985-12-27)	1



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 6322295	B1	27-11-2001	NONE	
EP 0165473	A	27-12-1985	DE 3574363 D1	28-12-1989
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