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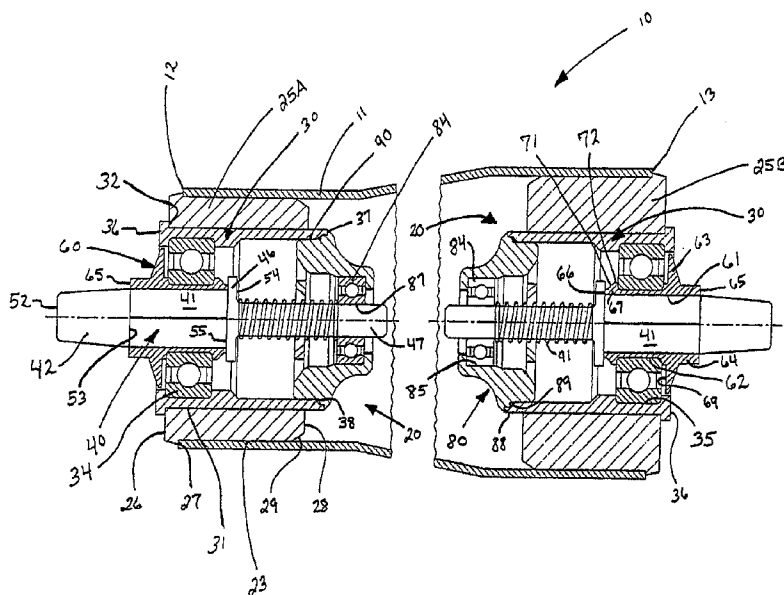
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(54) Title: CONVEYOR ROLLER ASSEMBLY AND CONVEYOR ROLLER INSERT



(57) Abstract: A roller insert for a conveyor roller tube includes a cartridge, a stub axle positioned within the cartridge, at least one bearing mounted within the cartridge and supporting the axle such that the cartridge is rotatable with respect to the axle, and an annular sleeve configured to be inserted into an end of a conveyor roller tube. The cartridge is securely and non-rotatably positioned within the annular sleeve. A conveyor roller assembly is also provided.

WO 2007/127355 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/10207

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B65G 13/00 (2008.04)

USPC - 193/37

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)

USPC - 193/37

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 193/37

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

PubWEST(USPT,PGPB,EPAB,JPAB); Google Patents; Google

Search Terms Used: conveyor roller insert non rotation annular sleeve stub axle cartridge inner diameter first second

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0217967 A1 (SCOTT) 6 October 2005 (06.10.2005) entire document especially paras [0009]-[0012], [0015], [0016], [0037], [0038], [0042], [0048].	1-20
Y	US 3,846,901 A (LOVETT) 12 November 1974 (12.11.1974) entire document especially col 1, ln 55-60.	1-20



Further documents are listed in the continuation of Box C.



* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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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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