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The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Anders Ivarsson

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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(12) **United States Patent**
Lischkowitz et al.

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(45) **Date of Patent:** **Aug. 4, 2020**

(54) **DEVICE AND METHOD FOR PRODUCING FASCINES**

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(2013.01); **E02B 3/12** (2013.01); **E02B 3/127**
(2013.01)

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(58) **Field of Classification Search**
CPC **B65B 1/12**; **B65B 1/125**; **B65B 35/24**; **B65B 37/005**; **B65B 39/007**; **B65B 39/10**; **B65B 57/145**; **E02B 3/12**; **E02B 3/127**
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 312 days.

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414/21

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Primary Examiner — Nathaniel C Chukwurah

Assistant Examiner — Lucas E. A. Palmer

(30) **Foreign Application Priority Data**

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(57) **ABSTRACT**

A device and a method for producing fascines in particular straw-fiber fascines, coconut-fiber fascines, wood-fiber fascines, and hemp-fiber fascines are provided. The device comprises a plurality of conveyor screws for conveying fibrous material such as straw fibers, coconut fibers, wood fibers, or hemp fibers, in a tubular element for filling the fibrous material into a tubular net. Moreover, the device comprises a distributor box. The distributor box has an interior space having an infeed opening for infeeding the fibrous material, and one or a plurality of base-side openings. The base-side openings herein serve for in-feeding fibrous material from the distributor box to the conveyor screws.

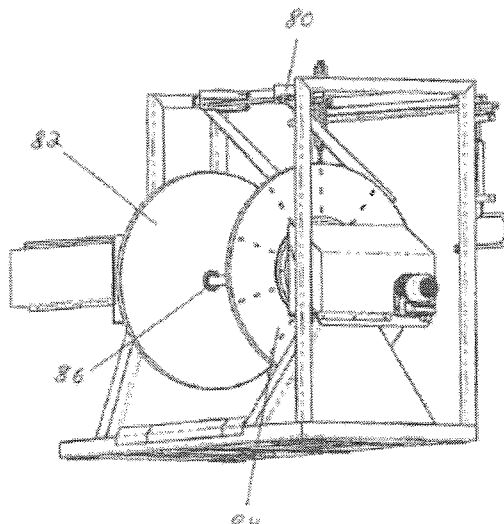
(51) **Int. Cl.**

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B65B 35/24 (2006.01)
B65B 39/00 (2006.01)
B65B 57/14 (2006.01)
B65B 27/12 (2006.01)
B65B 39/10 (2006.01)
B65B 37/00 (2006.01)
E02B 3/12 (2006.01)

(52) **U.S. Cl.**

CPC **B65B 1/12** (2013.01); **B65B 27/125**
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17 Claims, 5 Drawing Sheets



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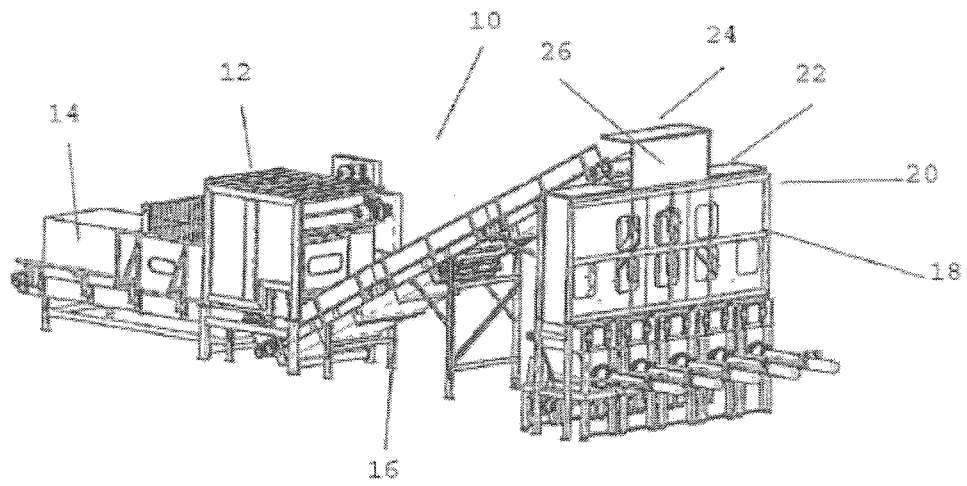


Fig. 1

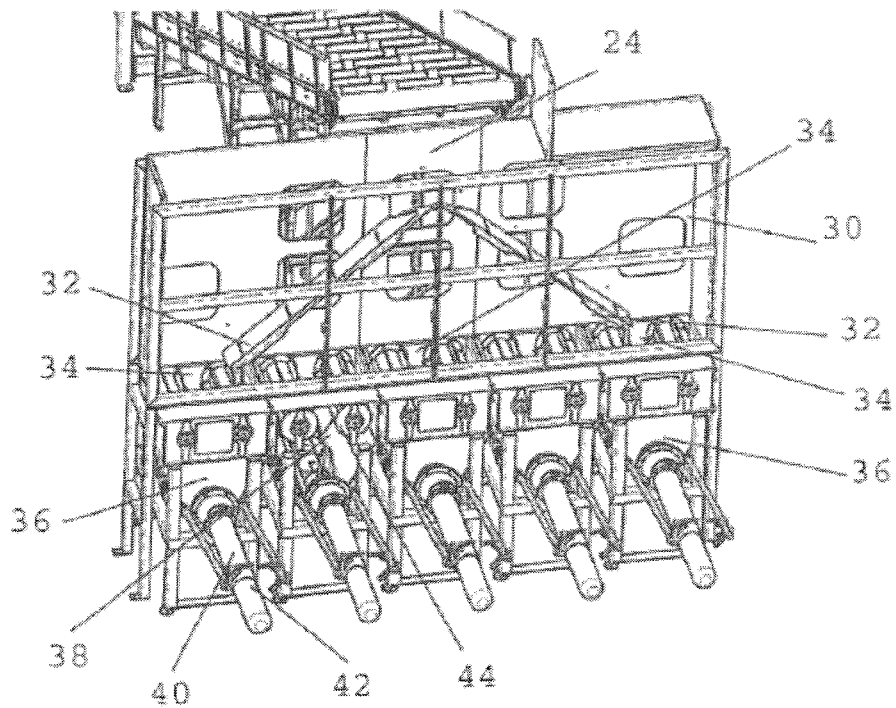


Fig. 2

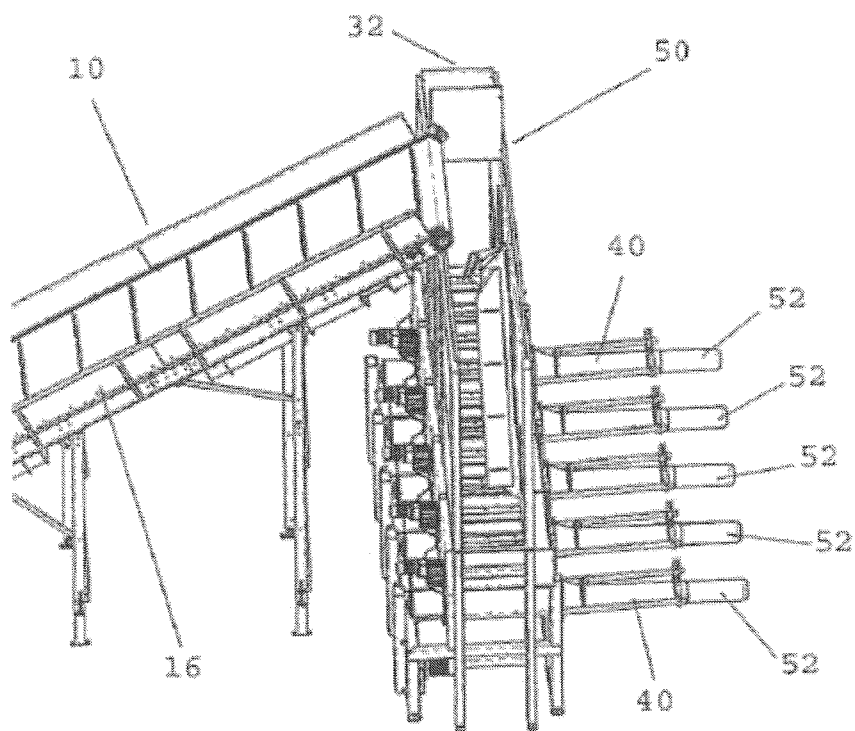


Fig. 3

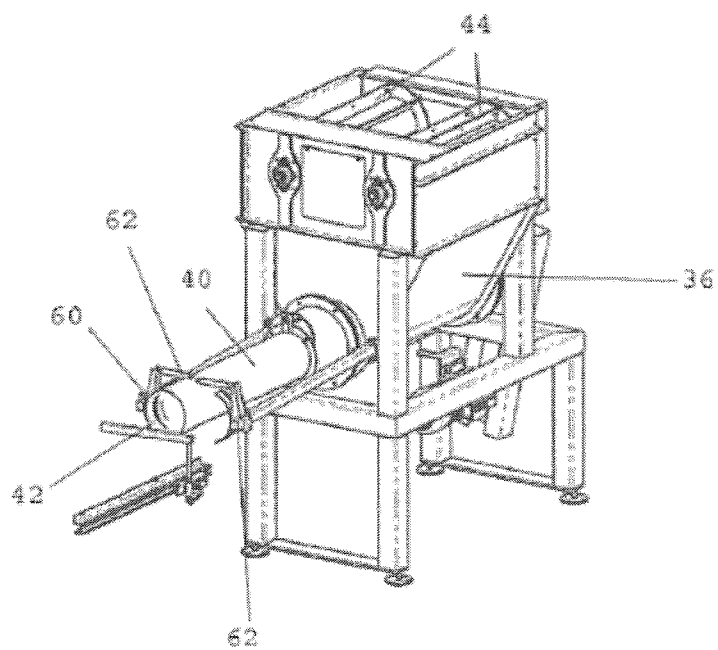


Fig. 4

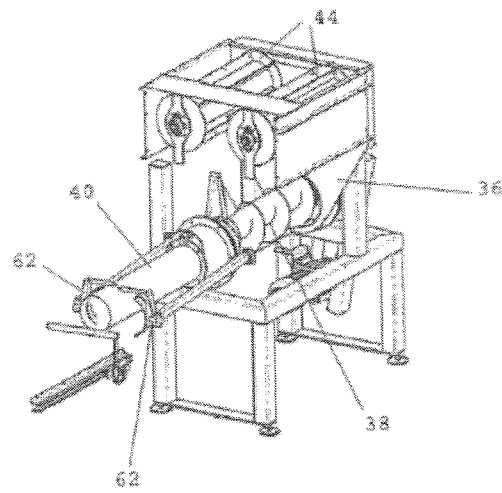


Fig. 5

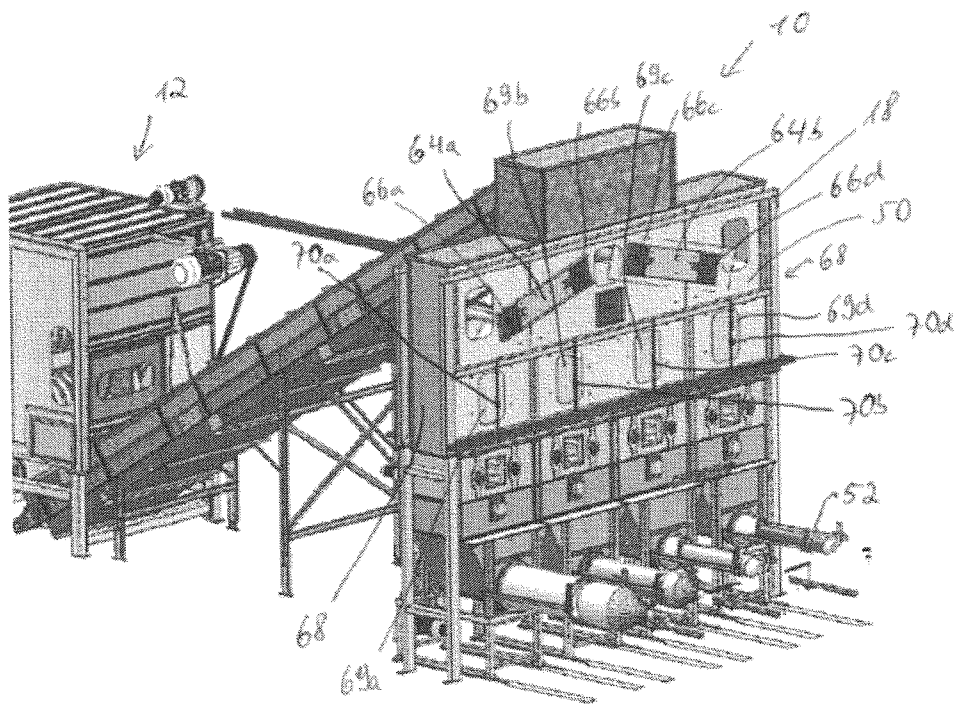
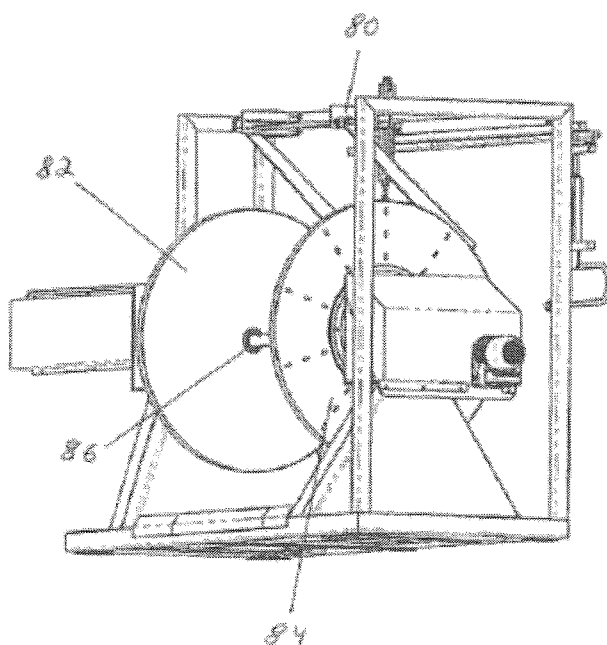
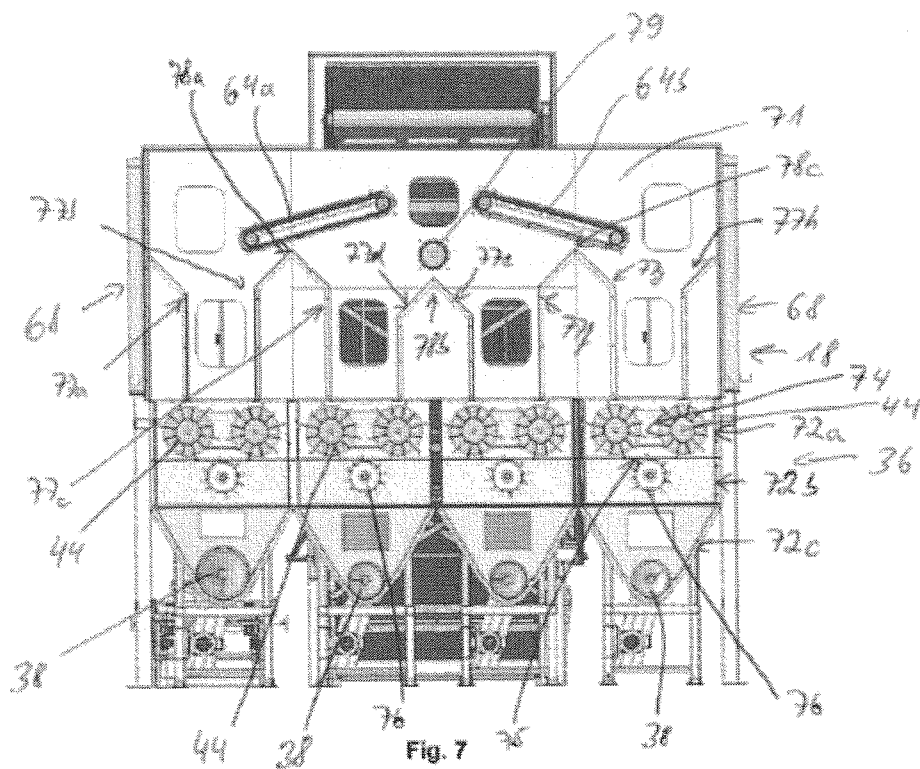


Fig. 6



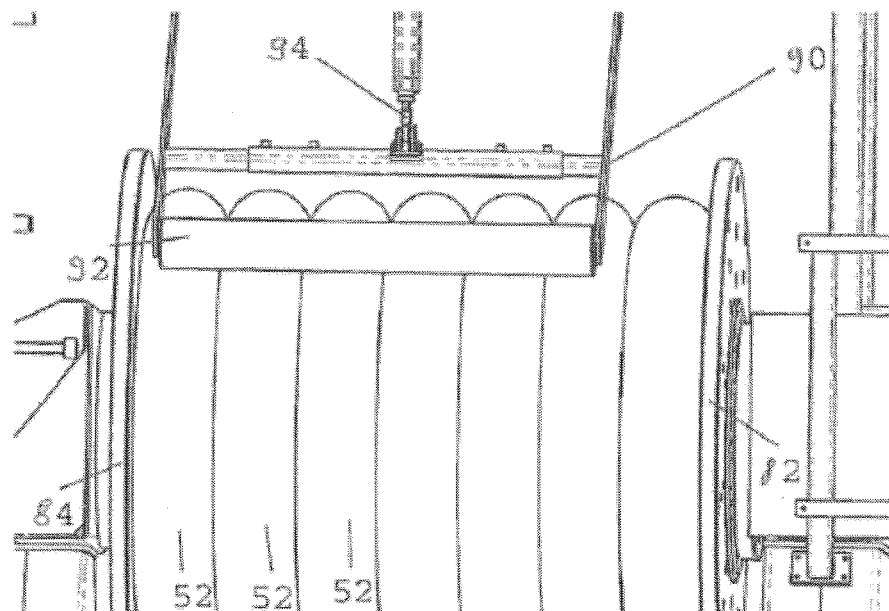


Fig. 9