

Title (en)

FEED DEVICE, BALING PRESS, AND PROTECTION METHOD

Title (de)

VORSCHUBEINRICHTUNG, BALLENPRESSE UND SCHUTZVERFAHREN

Title (fr)

DISPOSITIF D'AVANCE, PRESSE À BALLE ET PROCÉDÉ DE PROTECTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018037090A1] The invention relates to a feed device for use on a baling press (1) and for a loose fiber material (2) to be compressed, wherein the feed device (4) has a movable and driven and possibly guided feed element (14, 15). The feed device (4) is assigned a protection device (3), which protects the drive area and possibly the guiding area of the feed device (4), in particular the bearing (19) thereof, against airborne fibers by using an opposing airstream (27).

IPC 8 full level

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Citation (examination)

- DE 29609493 U1 19971002 - AUTEFA MASCHINENFAB [DE]
- DE 10246188 A1 20040513 - INDRAMAT REFU GMBH [DE]
- CN 201841683 U 20110525 - READY WELL TECHNOLOGY TRADING LTD
- CN 201151196 Y 20081119 - HANDAN TEXTILE MACHINERY CO LTD [CN]
- US 4108063 A 19780822 - RANDOLPH ARTHUR J

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DE 202016104699 U 20160826; CN 201780051997 A 20170824; CN 202110570227 A 20170824; EP 17761220 A 20170824; EP 2017071371 W 20170824; US 201716327035 A 20170824