

Title (en)

METHOD AND DEVICE FOR MONITORING THE PRESSING FORCES OF A PELLETING MACHINE

Publication

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Application

EP 90117988 A 19900919

Priority

DE 3939956 A 19891202

Abstract (en)

[origin: EP0431269A1] In a pelleting machine having a rotating die disc (2), in order to monitor the maximum pressing forces the forces exerted by the rams (4) are transmitted for evaluation to a computer, by means of which an ejector device (10) is to be controlled so that defective pellets can be separated out. Since a pellet press makes use of die discs having a varying number of die bores and therefore also different numbers of rams, in known devices a complete changeover, for instance of the proximity switches, to the particular ram division is necessary. According to the invention, the exchange of a die disc (2) for one of a different kind is substantially simplified by the avoidance of a changeover of the electronic device, if the position of the die disc (2) is determined continuously by the emission of pulses from an angular pulse transmitter (20) connected to a computer (26, 34), in which the pulses are coordinated with entered maximum pressing-force values for the purpose of evaluation. For this, the pellet press is equipped with an angular pulse transmitter (20) which transmits the pulses triggered by the rotating die disc (2) to a connected computer for allocation to the measured maximum pressing forces. The signal transmitter (18) can at the same time be designed as a disc which is provided with a coding and which is arranged preferably exchangeably and adjustably. <IMAGE>

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CPC (source: EP US)

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Cited by

DE102007052552A1; EP1810819A1; DE102006002359B4; DE19911294C1; DE102004008321B3; DE102007052552B4; DE19844390A1; DE19844390B4; EP0990510A3; US5838571A; EP0723858A1; DE19502596A1; US5699273A; US7713469B2; US6319435B1; US7981352B2; WO9727044A1

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