Title (en)

METHOD AND APPARATUS FOR DETERMINING AND SETTING MATERIAL RELEASE MECHANISM TIMING FOR A MATERIAL FEED MECHANISM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG UND EINSTELLUNG DES MATERIALFREIGABEMECHANISMUS-ZEITPUNKTS FÜR EINEN MATERIALZUFÜHRMECHANISMUS

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE DETERMINER ET D'ETABLIR LA SYNCHRONISATION D'UN MECANISME DE LIBERATION DE MATERIAU D'UN MECANISME D'INJECTION DE MATERIAU

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Application

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Abstract (en)

[origin: WO0245943A2] This invention includes a method of determining the correct timing of a material release mechanism (42) of a material feed mechanism (14) and includes the steps of: cycling a press mechanism (12) through a working portion of a tooling mechanism (17); monitoring the press mechanism (12) position; determining, by a location device (58), the desired timing for the material release mechanism (42) to release contact with material (18); and correlating the desired material release mechanism (42) timing to the press mechanism (12) position. The present invention also is a stamping system (10) for working the material (18). This stamping system (10) includes a press mechanism (12) having a tooling mechanism (17) configured to punch holes (66) in the material (18). The stamping system (10) also includes a material feed mechanism (14) to feed material (18) to the press mechanism (12), and this material feed mechanism (14) includes a material release mechanism (42). Finally, the stamping system (10) includes a location device (58) to monitor the press mechanism (12) position and determine desired material release mechanism (42) timing.

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