

Title (en)
BREAK OFF SYSTEM FOR PAPER CUTTING MACHINES

Title (de)
ABBRECHSYSTEM ZUR PAPIERSCHNEIDMASCHINEN

Title (fr)
SYSTÈME DE DÉCHIRURE POUR MASSICOTS

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Application
EP 17711809 A 20170203

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Abstract (en)
[origin: WO2017135915A1] A break off system (40) for paper cutting machines (50), comprising, in its most general form, a moving mandrel (20), which applies force on perforated papers to ensure compression during breaking off, carries the perforated paper by means of the rotational motion, and moves on the vertical plane, a fixed mandrel (21), which applies force on perforated papers to ensure compression during breaking off, and carries the perforated paper by means of the rotational motion, a lower breaking off mandrel (22) ensuring cutting of perforated papers by means of the rotational motion thereof, at least one breaking off surface (23), which is positioned on the lower breaking off mandrel (22), and breaks off perforated papers by means of increasing friction, a lower breaking off mandrel (24) ensuring cutting of perforated papers by means of the rotational motion thereof, a bump formed on said lower breaking off mandrel (24), a motion mechanism (33) providing said moving mandrel (20) with the rotational motion and the required motion for the compression in the vertical plane, a bearing (34) for allowing the movement of said moving mandrel (20) in the vertical plane, a rotation adjuster (31) adjusting the pressure that the moving mandrel (20) applies on the breaking off mandrel (22) according to the basis weight of the paper, a transmission component (32) allowing transmission of the motion taken from the rotation adjuster (31) to the motion mechanism (33), and at least one drive component (30) providing the required power to said mandrel system (40).

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