

Title (en)
ENERGY-SAVING AUTO FEED SHREDDER

Title (de)
ENERGIESPARENDER HÄCKSLER MIT AUTOMATISCHER ZUFÜHRUNG

Title (fr)
DÉCHIQUEUSE ÉCOÉNERGÉTIQUE À ALIMENTATION AUTOMATIQUE

Publication
EP 3714980 B1 20221123 (EN)

Application
EP 19165443 A 20190327

Priority
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Abstract (en)
[origin: EP3714980A1] An energy-saving auto feed shredder which includes an openable cover as configured in a conventional auto feed shredder, with a pressing device configured on the cover. Once the cover is open, other components are exposed, such as a feeder base or compartment to place the stack of paper, a feeder slot in the middle of the feeder base or compartment, feeding mechanisms on both sides of the feeder slot, and a shredder mechanism below the feeder slot; when the cover is closed, the pressing device applies a pressure on the stack of paper inside the feeder base, and the feeding mechanisms in relative motion on both sides of the feeder slot captures and pulls the sheet at the bottom of the stack of paper under pressure, and force it to fold toward the feeder slot, and be delivered to the shredder mechanism. Repeatedly, new sheet of paper is captured, pulled, folded and delivered by the feeding mechanism, until the whole stack of paper is shredded. Wherein, the feeder slot is in nearly parallel orientation with the folding line of the shorter side of the stack of paper placed inside the feeder base, so that the shorter side of the stack of paper can be captured, pulled, folded and delivered to the shredder mechanism by the feeding mechanism.

IPC 8 full level
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CPC (source: EP)
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