

Title (en)
ROTARY DIE CUTTING DEVICE

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EP 0241388 B1 19900725 (FR)

Application
EP 87420071 A 19870312

Priority
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Abstract (en)
[origin: US4770078A] An apparatus for scoring or cutting has a generally stationary frame, a lower cradle in the frame, and a plurality of lower rollers rotatable in the cradle about respective roller axes and all tangent to an imaginary lower cylinder centered on a lower axis. A lower arbor centered on the lower axis has one end projecting into and supported by a lower journal in the frame and an opposite unsupported end. A lower tube is fitted snugly on the lower arbor and has an outer surface lying on the lower cylinder and resting on the lower rollers. Similarly, an upper pressure plate in the frame carries a plurality of upper rollers rotatable in the pressure plate about respective axes and all tangent to an imaginary upper cylinder centered on an upper axis. An upper arbor centered on the upper axis has one end projecting into and supported by an upper journal in the frame and an opposite unsupported end. An upper tube fitted snugly on the upper arbor has an outer surface lying on the upper cylinder and resting on the upper rollers, one of the tubes being formed with at least one annular cutting/scoring ridge. The frame is formed at the opposite ends with a window sufficiently large that the tubes can be withdrawn axially from the respective arbors through the window. Actuators braced between the frame and the pressure plate push the upper tube downward.

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IPC 8 full level
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