

Title (en)
MATERIAL BRAKING APPARATUS

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Application
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Priority
US 7900450 W 19790626

Abstract (en)
[origin: WO8100096A1] Braking apparatus (36) for a supply spool (30) whereby material (12) drawn from the spool (30) will have a relatively uniform tension. The braking apparatus (36) includes a follower roller (40) in contact with the material (12) on the spool (30) and a brake portion (38) in adjustably controlled braking contact with a brake rotor (102) mounted for rotation with the spool (30). The follower roller (40) follows the decrease in the diametral amount of material on the spool and simultaneously moves the brake portion (38) toward the center of the brake rotor (102) wherein a uniform braking force on the spool (30) is maintained. In one embodiment, the supply spool (30) is mounted on a shuttle (14) of a cable-winding apparatus so that as the shuttle (14) rotates, centrifugal force will act on the follower roller (40) to urge a roller (51) against the material (12) on the spool (30) and to move the brake portion (38) toward the center of the brake rotor (102) to maintain constant force on the material (12) being withdrawn from the spool (30).

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