

Title (en)
CHAIN SAW FOR PRUNING TREES AND SHRUBS.

Title (de)
KETTENSÄGE ZUM SCHNEIDEN VON BÄUMEN UND STRÄUCHERN.

Title (fr)
SCIE A CHAÎNE POUR L'ÉLAGAGE DES ARBRES ET DES ARBUSTES.

Publication
EP 0330689 A4 19900108 (EN)

Application
EP 88907167 A 19880729

Priority
AU PI341787 A 19870729

Abstract (en)
[origin: WO8900806A1] A tree pruner comprising a small chain saw (35) attached to one end of an elongate tubular guide bar (12) which has a motor (10) attached to the other end thereof. A belt drive (19, 20) extends between a pulley (11) on the motor and a pulley (32) at the chain saw to drive the cutting chain (36) and the belt is enclosed within the guide bar. A flywheel (33) is included on a common shaft with the chain saw pulley (32) and has a mass sufficient at full speed to store enough energy to cause the saw to cut through smaller branches whereby the motor and the belt drive can be of reduced power capability and only sufficient to spin the flywheel to maximum speed within a short space of time under a no load condition. A turbine drive between motor and chain saw is also disclosed as is a guard member (38) for the saw blade. The guard member (38) also has guide portions (39) for guiding the cutting chain over a branch to be severed.

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Citation (search report)

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- [Y] US 3731382 A 19730508 - WROE D
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- [A] US 3373489 A 19680319 - ROY GILES ALONZO
- See references of WO 8900806A1

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