

Title (en)  
Chain saw

Title (de)  
Kettensäge

Title (fr)  
Scie à chaîne

Publication  
**EP 1772237 A1 20070411 (EN)**

Application  
**EP 06020720 A 20061002**

Priority  
JP 2005295321 A 20051007

Abstract (en)  
A spindle (7) is adapted to be rotated by a motor (3). A sprocket (13) is disposed coaxially with the spindle. A centrifugal clutch (18) is provided on an outer periphery of the spindle, and provided with weight members (19) movable in a direction perpendicular to an axial direction of the spindle. The weight members move so as to project from an outer periphery of the centrifugal clutch. A connecting body (21) is integrally provided with the sprocket and covering the outer periphery of the centrifugal clutch. A cam is integrally provided with the sprocket and adapted to engage with the centrifugal clutch. An urging member urges the centrifugal clutch so as to separate from the cam. A coupling member (25) is provided on one of the outer periphery of the spindle and an inner periphery of the centrifugal clutch, and fitted with a groove formed on the other. The coupling member is movable within the groove in accordance with a rotation speed difference between the spindle and the centrifugal clutch. At the moment of activation of the motor, the centrifugal clutch is moved toward the cam against the urging force of the urging member by the movement of the coupling member within the groove, and the weight members are brought into contact with the connecting body, so that the sprocket is rotated integrally with the spindle. At the moment of deactivation of the motor, the centrifugal clutch is moved away from the cam with the aid of the urging force of the urging member by the movement of the coupling member within the groove, and the weight members are separated from the connecting body, so that the integral rotation of the sprocket and the spindle is interrupted.

IPC 8 full level  
**B27B 17/10** (2006.01); **B27B 17/08** (2006.01)

CPC (source: EP)  
**B27B 17/083** (2013.01); **B27B 17/10** (2013.01)

Citation (search report)  
[A] EP 0761398 A1 19970312 - MAKITA CORP [JP]

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DE FR GB

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DOCDB simple family (publication)  
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