

Title (en)
Electric chain saw

Title (de)
Elektrokettensäge

Title (fr)
Scie à chaîne électrique

Publication
EP 2230056 B1 20160217 (EN)

Application
EP 10155120 A 20100302

Priority
CN 200910115100 A 20090317

Abstract (en)
[origin: EP2230056A1] The present invention discloses an electric chain saw, which includes a casing (1) as well as a motor and the brake device thereof installed in the casing. The brake device includes the following parts: A brake drum (4) sleeved on and revolving together with a motor shaft; and a brake strap (5) sleeved on outer edge of the brake drum (4), with one end connected with a first brake unit and the other end with a second brake unit. The brake device in the present invention adopts two brake units, and can deal with a normal braking condition and an emergency braking condition, respectively. When one of the brake units fails, the electric chain saw of the present invention can be braked via the other brake unit, fully satisfying requirements on operation safety of the electric chain saw, characteristic of quick brake, simple operation, and sensitive action. Besides, compared to the prior art electric chain saw adopting such a brake mechanism as a clutch, a lever and a gear, the present invention is simple in the overall structure and less in the part quantity, more advantageous in miniaturization design of the electric chain saw.

IPC 8 full level
B27B 17/08 (2006.01)

CPC (source: EP)
B27B 17/083 (2013.01)

Cited by
US12064894B2; WO2015057117A1; WO2014053472A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2230056 A1 20100922; EP 2230056 B1 20160217; CN 101590548 A 20091202; CN 101590548 B 20120718

DOCDB simple family (application)
EP 10155120 A 20100302; CN 200910115100 A 20090317