

Title (en)  
ANIMAL SHEARING MACHINE

Title (de)  
TIERSCHERMASCHINE

Title (fr)  
TONDEUSE POUR ANIMAUX

Publication  
**EP 2421682 B1 20141015 (DE)**

Application  
**EP 10714254 A 20100415**

Priority  

- EP 2010054940 W 20100415
- DE 102009017517 A 20090420
- DE 102009045545 A 20091009

Abstract (en)  
[origin: WO2010121941A2] The invention relates to an animal shearing machine (1), comprising a housing (2), a shearing head (6) connected to the housing (2), and a drive unit (21) arranged in the housing (6). The drive unit (21) comprises an electric motor (8) and a reduction gear connected to the shaft of the electric motor (9). The shearing head (6) of the animal shearing machine (1) has a stationary shearing blade (7) and a moveable shearing blade (8). According to the invention, a planetary gear (10) is employed as a reduction gear, and the output shaft (19) of the planetary gear (10) is arranged in parallel, in particular coaxially to the shaft of the electric motor (9). If shearing heads are employed which can be driven in an oscillating manner, the drive unit comprises an eccentric (11), which is connected to the output shaft (19) of the reduction gear, and an oscillating arm (12). The oscillating arm (12) is mounted between the first front end (13) thereof and the second rear end (14) thereof about an oscillating axis (15) on the housing (2). The oscillating arm (12) is engaged with the moveable shearing blade (8) by way of the first front end (13), and with the eccentric (11) by way of a sliding element in the region of the second rear end (14).

IPC 8 full level  
**B26B 19/24** (2006.01); **B26B 19/28** (2006.01)

CPC (source: EP US)  
**B26B 19/24** (2013.01 - EP US); **B26B 19/28** (2013.01 - EP US)

Cited by  
EP4082729A1

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)  
**WO 2010121941 A2 20101028; WO 2010121941 A3 20101223**; EP 2421682 A2 20120229; EP 2421682 B1 20141015; ES 2525348 T3 20141222; US 2012090182 A1 20120419; US 8769824 B2 20140708

DOCDB simple family (application)  
**EP 2010054940 W 20100415**; EP 10714254 A 20100415; ES 10714254 T 20100415; US 201113274554 A 20111017