

Title (en)  
MULTI-TOOTH COIL WINDING FOR A THREE-PHASE ROTATING FIELD MACHINE

Title (de)  
MULTI-ZAHNSPULENWICKLUNG FÜR EINE 3-STRÄNGIGE DREHFELDMASCHINE

Title (fr)  
ENROULEMENT DE BOBINE DENTÉE MULTIPLE POUR MACHINE À CHAMP MAGNÉTIQUE ROTATIF TRIPHASÉE

Publication  
**EP 3721532 A1 20201014 (DE)**

Application  
**EP 18812162 A 20181203**

Priority  
• DE 102017128832 A 20171205  
• EP 2018083374 W 20181203

Abstract (en)  
[origin: CN208707501U] The utility model relates to a 3 looks AC motor of 2p utmost point stator with ribbon winding tooth, AC motor constructs with the winding overall arrangement under toothed portion circle technique, 3looks AC motor includes three winding looks (W1, W2, W3), wherein the winding overall arrangement is by being formed by winding coil assembly (G) of cover coil to in each other many times, and wherein the partial coil (T) of mentioned coil assembly (G) is outwards arranged from interior with one heart with surrounding to and including two or also including more a plurality of winding teeth (Z), wherein be in set up corresponding coil winding figure in the guide slot (N) between the winding tooth (Z) for every guide slot (N) has the same total conductor cross section that reacts of coil respectively, and equally big basically by occupied space in every guide slot cross section.

IPC 8 full level  
**H02K 3/28** (2006.01); **H02K 3/12** (2006.01)

CPC (source: EP US)  
**H02K 3/18** (2013.01 - US); **H02K 3/28** (2013.01 - EP US); **H02K 3/12** (2013.01 - EP)

Citation (search report)  
See references of WO 2019110523A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102017128832 A1 20190606**; CN 208707501 U 20190405; EP 3721532 A1 20201014; US 11791683 B2 20231017;  
US 2021104929 A1 20210408; WO 2019110523 A1 20190613

DOCDB simple family (application)  
**DE 102017128832 A 20171205**; CN 201820378915 U 20180320; EP 18812162 A 20181203; EP 2018083374 W 20181203;  
US 201816769980 A 20181203