

Title (en)
OPEN-END SPINNING MACHINE

Title (de)
OFFENEND-SPINNEINRICHTUNG

Title (fr)
MÉTIER À FILER À BOUT LIBRE

Publication
EP 3461937 A3 20190508 (DE)

Application
EP 18188483 A 20180810

Priority
DE 102017118390 A 20170811

Abstract (en)
[origin: US2019048492A1] An open-end spinning device having a rotor housing (1) which can be acted upon by negative pressure and a spinning rotor (2), the rotor housing (1) is open towards the front and can be closed by a cover element, to the rear the rotor housing (1) has a rear wall (3) with a passage opening (4) for a rotor shaft (5) of the spinning rotor (2). In order to prevent the occurrence of thread coils inside the rotor housing (1) behind the spinning rotor, a narrow gap (6) of less than 2 mm is provided between the spinning rotor (2) and the rear wall (3) of the rotor housing (1) at the largest outer diameter of the spinning rotor (2) and the rear wall (3) of the rotor housing (1) is designed such that the area (7) behind the spinning rotor (2) is covered inside the rotor housing (1).

IPC 8 full level
D01H 4/08 (2006.01)

CPC (source: CN EP US)
D01H 4/08 (2013.01 - CN EP US); **D01H 4/14** (2013.01 - CN)

Citation (search report)

- [ID] DE 10303481 A1 20040729 - STAHLECKER GMBH WILHELM [DE]
- [I] GB 2054671 A 19810218 - SCHUBERT & SALZER MASCHINEN
- [I] DE 2538261 A1 19770707 - SKF KUGELLAGERFABRIKEN GMBH
- [I] DE 2651551 A1 19771013 - NUOVA SAN GIORGIO SPA

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)
US 11066760 B2 20210720; US 2019048492 A1 20190214; CN 109518316 A 20190326; DE 102017118390 A1 20190214;
EP 3461937 A2 20190403; EP 3461937 A3 20190508; EP 3461937 B1 20230419

DOCDB simple family (application)
US 201816059330 A 20180809; CN 201810909794 A 20180810; DE 102017118390 A 20170811; EP 18188483 A 20180810