

Title (en)
CENTRIFUGAL FAN

Title (de)
ZENTRIFUGALGEBLÄSE

Title (fr)
VENTILATEUR CENTRIFUGE

Publication
EP 3971423 A1 20220323 (EN)

Application
EP 21195260 A 20210907

Priority
JP 2020157565 A 20200918

Abstract (en)
[Problem to be Solved] The present disclosure provides a centrifugal fan in which a weld of a blade member and a shroud can be visually checked.
[Solution] A centrifugal fan (23) in the present disclosure includes a main plate (24), a shroud (26), and a plurality of blade members (27). Each of the blade members is provided with a joining part (46) to be joined to the shroud. The joining part is provided with a rib. The joining part is joined to the shroud by welding the rib to the shroud. The shroud is provided with, as viewed from the height direction of the rib, a through hole (78) at a position overlapping with the rib.

IPC 8 full level
F04D 29/28 (2006.01); **F04D 29/62** (2006.01)

CPC (source: CN EP)
F04D 29/281 (2013.01 - CN EP); **F04D 29/30** (2013.01 - CN); **F04D 29/626** (2013.01 - EP)

Citation (applicant)
JP 2014206084 A 20141030 - NISSHINBO MECHATRONICS INC

Citation (search report)
• [A] WO 2014168261 A1 20141016 - NISSHINBO MECHATRONICS INC [JP]
• [A] KR 20180104554 A 20180921 - NISSHINBO MECHATRONICS INC [JP]
• [A] JP 6704190 B2 20200603
• [A] US 10309412 B2 20190604 - KURIHARA MAKOTO [JP], et al

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)
EP 3971423 A1 20220323; CN 114198337 A 20220318; JP 2022051212 A 20220331; JP 7526950 B2 20240802

DOCDB simple family (application)
EP 21195260 A 20210907; CN 202111086134 A 20210916; JP 2020157565 A 20200918