

Title (en)
Droplet catcher for centrifugal compressor

Title (de)
Tropfenfänger für einen Radialverdichter

Title (fr)
Dévésiculeur pour compresseur centrifuge

Publication
EP 2112327 A1 20091028 (EN)

Application
EP 08155239 A 20080425

Priority
EP 08155239 A 20080425

Abstract (en)
A liquid droplet catching device (60) installed in a compressor impeller (50), the device includes an aperture (62) disposed on a surface of the impeller (50) and configured to receive the liquid droplet, and a channel (64) disposed beneath and in fluid communication with the aperture (62), wherein the channel (64) is configured to direct the liquid droplet away from the aperture (62) and out of the compressor impeller (50).

IPC 8 full level
F01D 5/14 (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04D 29/284 (2013.01); **F04D 29/289** (2013.01); **F04D 29/706** (2013.01)

Citation (applicant)
CH 248468 A 19470515 - BBC BROWN BOVERI & CIE [CH]

Citation (search report)
• [A] CH 248468 A 19470515 - BBC BROWN BOVERI & CIE [CH]
• [A] US 3785128 A 19740115 - REDEMANN H
• [A] GB 2269893 A 19940223 - SNECMA [FR]
• [A] US 3104964 A 19630924 - WILLIAM CRAFT DONALD

Cited by
CN102086886A; WO2013113324A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2112327 A1 20091028; EP 2112327 B1 20110720; AT E517231 T1 20110815

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