

Title (en)  
CONDENSER DEVICE FOR FIBRE RIBBON, SPINNING HEAD COMPRISING SUCH DEVICE, AND SPINNING MACHINE COMPRISING SUCH SPINNING HEAD

Title (de)  
VORRICHTUNG ZUM VERDICHTEN VON FASERBAND, SPINNKOPF MIT EINER SOLCHEN VORRICHTUNG UND SPINNMASCHINE MIT EINEM SOLCHEN SPINNKOPF

Title (fr)  
DISPOSITIF DE CONDENSATION POUR RUBAN DE FIBRES, TÊTE DE FILAGE COMPRENANT UN TEL DISPOSITIF ET MÉTIER À FILER COMPRENANT UNE TELLE TÊTE DE FILAGE

Publication  
**EP 4249652 A1 20230927 (EN)**

Application  
**EP 23158035 A 20230222**

Priority  
IT 202200004619 A 20220310

Abstract (en)  
A condenser device (12) for fibre ribbon (14) for spinning head (16), comprises at least one passage groove (18, 19) arranged with a mouth (20), an outlet (22), and a sliding surface (24) comprised between said mouth (20) and said outlet (22). The sliding surface (24) converges from the mouth (20) towards the outlet (22). The sliding surface (24) is arranged with a sliding bottom (26) and sliding side walls (28, 30), wherein the sliding side walls (28, 30) diverges from each other in the opposite direction with respect to said sliding bottom (26).

IPC 8 full level  
**D01D 5/16** (2006.01); **D01D 4/00** (2006.01); **D01H 5/72** (2006.01)

CPC (source: CN EP)  
**D01D 4/00** (2013.01 - EP); **D01D 5/16** (2013.01 - EP); **D01H 5/72** (2013.01 - CN EP)

Citation (applicant)

- US 2272787 A 19420210 - ALLEN BENTLEY EDWARD
- US 2774995 A 19561225 - EVALD SANDELIN OLLE
- US 2813307 A 19571119 - SANDELIN OLLE E
- GB 705039 A 19540303 - ST JOHN S TEXTILE MILLS LTD, et al
- GB 1131069 A 19681023 - WALTER WEGENER, et al
- JP 2009030180 A 20090212 - MURATA MACHINERY LTD

Citation (search report)

- [AD] US 2774995 A 19561225 - EVALD SANDELIN OLLE
- [A] US 2202755 A 19400528
- [AD] GB 705039 A 19540303 - ST JOHN S TEXTILE MILLS LTD, et al

Citation (third parties)  
Third party : **Anonymous**

- DE 4024474 A1 19920206 - SCHLAFHORST & CO W [DE]
- EP 3489400 A1 20190529 - ROTORCRAFT AG [CH]
- EP 0424965 A1 19910502 - ETHYL CORP [US]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4249652 A1 20230927**; CN 116732657 A 20230912; CN 219824479 U 20231013; IT 202200004619 A1 20230910

DOCDB simple family (application)  
**EP 23158035 A 20230222**; CN 202310228615 A 20230308; CN 202320440150 U 20230308; IT 202200004619 A 20220310