Symbol	Typ	Titel
F	**Sektion**	**SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**
F26	**Klasse**	**DRYING**
F26B	**Unterklasse**	**DRYING SOLID MATERIALS OR OBJECTS BY REMOVING LIQUID THEREFROM (drying devices for combines A01D 41/133; racks for drying fruit or vegetables A01F 25/12; drying foodstuffs A23; drying hair A45D 20/00; body-drying implements A47K 10/00; drying household articles A47L; drying gases or vapours B01D; chemical or physical processes for dewatering or like separating liquids from solids B01D 43/00; centrifugal apparatus B04; drying ceramics C04B 33/30; drying yarns or fabrics in association with some other form of treatment D06C; drying frames for laundry without heating or positive air circulation, domestic laundry-or spin-driers, wringing or hot pressing laundry D06F; furnaces, kilns, ovens F27)**
		Processes for drying
F26B 1/00	**Hauptgruppe**	**Preliminary treatment of solid materials or objects to facilitate drying**
F26B 3/00	**Hauptgruppe**	**Drying solid materials or objects by processes involving the application of heat (in specific machines or apparatus F26B 9/00-F26B 19/00)**
F26B 3/02	1-Punkt Untergruppe	. by convection, i.e. heat being conveyed from a heat source to the materials or objects to be dried by a gas or vapour, e.g. air
F26B 3/04	2-Punkt Untergruppe	. . the gas or vapour circulating over, or surrounding, the materials or objects to be dried (F26B 3/14 takes precedence)
F26B 3/06	2-Punkt Untergruppe	. . the gas or vapour flowing through the materials or objects to be dried (F26B 3/14 takes precedence)
F26B 3/08	3-Punkt Untergruppe	. . . so as to loosen them, e.g. to form a fluidised bed
F26B 3/084	4-Punkt Untergruppe	. . . . with heat exchange taking place in the fluidised bed [5]
F26B 3/088	4-Punkt Untergruppe	. . . . using inert thermally-stabilised particles [5]
F26B 3/092	4-Punkt Untergruppe	. . . . agitating the fluidised bed, e.g. by vibrating or pulsating [5]
F26B 3/097	4-Punkt Untergruppe	. . . . using a magnetic field to stabilise the fluidised bed [5]
F26B 3/10	2-Punkt Untergruppe	. . the gas or vapour carrying the materials or objects to be dried with it
F26B 3/12	3-Punkt Untergruppe	. . . in the form of a spray
F26B 3/14	2-Punkt Untergruppe	. . the materials or objects to be dried being moved by gravity
F26B 3/16	3-Punkt Untergruppe	. . . in a counter-flow of the gas or vapour
F26B 3/18	1-Punkt Untergruppe	. by conduction, i.e. the heat is conveyed from the heat source, e.g. gas flame, to the materials or objects to be dried by direct contact
F26B 3/20	2-Punkt Untergruppe	. . the heat source being a heated surface (F26B 3/22 takes precedence)
F26B 3/22	2-Punkt Untergruppe	. . the heat source and the materials or objects to be dried being in relative motion, e.g. of vibration
F26B 3/24	3-Punkt Untergruppe	. . . the movement being rotation
F26B 3/26	3-Punkt Untergruppe	. . . the movement being performed by gravity
F26B 3/28	1-Punkt Untergruppe	. by radiation, e.g. from the sun
F26B 3/30	2-Punkt Untergruppe	. . from infra-red-emitting elements
F26B 3/32	1-Punkt Untergruppe	. by development of heat within the materials or objects to be dried

Symbol	Typ	Titel
F26B 3/34	2-Punkt Untergruppe	. . by using electrical effects
F26B 3/347	3-Punkt Untergruppe	. . . Electromagnetic heating, e.g. induction heating or heating using microwave energy [4]
F26B 3/353	3-Punkt Untergruppe	. . . Resistance heating [4]
F26B 3/36	2-Punkt Untergruppe	. . by using mechanical effects, e.g. by friction (by using ultrasonic vibration F26B 5/02)
F26B 5/00	**Hauptgruppe**	**Drying solid materials or objects by processes not involving the application of heat (separating liquids from solids by straining B01D; replacing liquids in wet solids by other liquids, e.g. water by spirit, B01D 12/00; drying by electrophoresis B01J)**
F26B 5/02	1-Punkt Untergruppe	. by using ultrasonic vibrations
F26B 5/04	1-Punkt Untergruppe	. by evaporation or sublimation of moisture under reduced pressure, e.g. in a vacuum
F26B 5/06	2-Punkt Untergruppe	. . the process involving freezing
F26B 5/08	1-Punkt Untergruppe	. by centrifugal treatment
F26B 5/10	2-Punkt Untergruppe	. . the process involving freezing
F26B 5/12	1-Punkt Untergruppe	. by suction
F26B 5/14	1-Punkt Untergruppe	. by applying pressure, e.g. wringing; by brushing; by wiping
F26B 5/16	1-Punkt Untergruppe	. by contact with sorbent bodies, e.g. absorbent mould; by admixture with sorbent materials
F26B 7/00	**Hauptgruppe**	**Drying solid materials or objects by processes using a combination of processes not covered by a single one of groups F26B 3/00 or F26B 5/00**
		Machines or apparatus for drying
F26B 9/00	**Hauptgruppe**	**Machines or apparatus for drying solid materials or objects at rest or with only local agitation; Domestic airing cupboards**
F26B 9/02	1-Punkt Untergruppe	. in buildings (special types of buildings E04H)
F26B 9/04	1-Punkt Untergruppe	. in presses or clamping devices
F26B 9/06	1-Punkt Untergruppe	. in stationary drums or chambers
F26B 9/08	2-Punkt Untergruppe	. . including agitating devices
F26B 9/10	1-Punkt Untergruppe	. in the open air; in pans or tables in rooms; Drying stacks of loose material
F26B 11/00	**Hauptgruppe**	**Machines or apparatus for drying solid materials or objects with movement which is non-progressive**
F26B 11/02	1-Punkt Untergruppe	. in moving drums or other mainly-closed receptacles (F26B 11/18 takes precedence)
F26B 11/04	2-Punkt Untergruppe	. . rotating about a horizontal or slightly-inclined axis
F26B 11/06	3-Punkt Untergruppe	. . . with stirring devices which are held stationary
F26B 11/08	2-Punkt Untergruppe	. . rotating about a vertical or steeply-inclined axis
F26B 11/10	3-Punkt Untergruppe	. . . with stirring devices which are held stationary
F26B 11/12	1-Punkt Untergruppe	. in stationary drums or other mainly-closed receptacles with moving stirring devices (F26B 11/22 takes precedence)
F26B 11/14	2-Punkt Untergruppe	. . the stirring device moving in a horizontal or slightly-inclined plane
F26B 11/16	2-Punkt Untergruppe	. . the stirring device moving in a vertical or steeply-inclined plane
F26B 11/18	1-Punkt Untergruppe	. on or in moving dishes, trays, pans, or other mainly-open receptacles

Symbol	Typ	Titel
F26B 11/20	2-Punkt Untergruppe	. . with stirring devices which are held stationary
F26B 11/22	1-Punkt Untergruppe	. on or in stationary dishes, trays, pans, or other mainly-open receptacles, with moving stirring devices
F26B 13/00	**Hauptgruppe**	**Machines or apparatus for drying fabrics, fibres, yarns, or other materials in long lengths, with progressive movement**
F26B 13/02	1-Punkt Untergruppe	. with movement in a straight line
F26B 13/04	2-Punkt Untergruppe	. . using rollers
F26B 13/06	1-Punkt Untergruppe	. with movement in a sinuous or zig-zag path
F26B 13/08	2-Punkt Untergruppe	. . using rollers
F26B 13/10	1-Punkt Untergruppe	. Arrangements for feeding, heating, or supporting materials; Regulating movement, tension, or position of materials (heating processes F26B 3/00)
F26B 13/12	2-Punkt Untergruppe	. . Regulating movement, tension, or position of material
F26B 13/14	2-Punkt Untergruppe	. . Rollers (sorbent surfaces F26B 13/26)
F26B 13/16	3-Punkt Untergruppe	. . . perforated (F26B 13/18 takes precedence; for applying suction F26B 13/30)
F26B 13/18	3-Punkt Untergruppe	. . . heated; cooled
F26B 13/20	2-Punkt Untergruppe	. . Supporting materials by fluid jets, e.g. air
F26B 13/22	2-Punkt Untergruppe	. . Arrangements of gas flames
F26B 13/24	1-Punkt Untergruppe	. Arrangements of devices using drying processes not involving heating (such processes per seF26B 5/00)
F26B 13/26	2-Punkt Untergruppe	. . using sorbent surfaces, e.g. bands or coverings on rollers
F26B 13/28	2-Punkt Untergruppe	. . for applying pressure; for brushing; for wiping
F26B 13/30	2-Punkt Untergruppe	. . for applying suction, e.g. through perforated rollers
F26B 15/00	**Hauptgruppe**	**Machines or apparatus for drying objects with progressive movement; Machines or apparatus with progressive movement for drying batches of material in compact form (F26B 13/00, F26B 17/00 take precedence; conveyers in general B65G)**
F26B 15/02	1-Punkt Untergruppe	. with movement in the whole or part of a circle
F26B 15/04	2-Punkt Untergruppe	. . in a horizontal plane
F26B 15/06	3-Punkt Untergruppe	. . . involving several planes, one above the other
F26B 15/08	2-Punkt Untergruppe	. . in a vertical plane
F26B 15/10	1-Punkt Untergruppe	. with movement in a path composed of one or more straight lines, e.g. compound
F26B 15/12	2-Punkt Untergruppe	. . the lines being all horizontal or slightly inclined
F26B 15/14	3-Punkt Untergruppe	. . . the objects or batches of materials being carried by trays or racks
F26B 15/16	3-Punkt Untergruppe	. . . the objects or batches of materials being carried by wheeled trucks
F26B 15/18	3-Punkt Untergruppe	. . . the objects or batches of materials being carried by endless belts
F26B 15/20	2-Punkt Untergruppe	. . the lines being all vertical or steeply inclined
F26B 15/22	3-Punkt Untergruppe	. . . the objects or batches of materials being carried by endless belts

Symbol	Typ	Titel
F26B 15/24	4-Punkt Untergruppe	. . . . in a zig-zag path
F26B 15/26	1-Punkt Untergruppe	. with movement in a helical path
F26B 17/00	**Hauptgruppe**	**Machines or apparatus for drying materials in loose, plastic, or fluidised form, e.g. granules, staple fibres, with progressive movement (F26B 13/00 takes precedence)**
F26B 17/02	1-Punkt Untergruppe	. with movement performed by belts carrying the materials; with movement performed by belts propelling the materials over stationary surfaces
F26B 17/04	2-Punkt Untergruppe	. . the belts being all horizontal or slightly inclined (F26B 17/08 takes precedence)
F26B 17/06	2-Punkt Untergruppe	. . the belts being all vertical or steeply inclined (F26B 17/08 takes precedence)
F26B 17/08	2-Punkt Untergruppe	. . the belts being arranged in a sinuous or zig-zag path
F26B 17/10	1-Punkt Untergruppe	. with movement performed by fluid currents, e.g. issuing from a nozzle (F26B 3/08 takes precedence) [5]
F26B 17/12	1-Punkt Untergruppe	. with movement performed solely by gravity
F26B 17/14	2-Punkt Untergruppe	. . the materials moving through a counter-current of gas
F26B 17/16	2-Punkt Untergruppe	. . the materials passing down a heated surface
F26B 17/18	1-Punkt Untergruppe	. with movement performed by rotating helical blades or other rotary conveyers moving materials in stationary chambers
F26B 17/20	2-Punkt Untergruppe	. . the axis of rotation being horizontal or slightly inclined
F26B 17/22	2-Punkt Untergruppe	. . the axis of rotation being vertical or steeply inclined
F26B 17/24	1-Punkt Untergruppe	. with movement performed by shooting or throwing the materials
F26B 17/26	1-Punkt Untergruppe	. with movement performed by reciprocating or oscillating conveyers propelling materials over stationary surfaces; with movement performed by reciprocating or oscillating shelves, sieves, or trays
F26B 17/28	1-Punkt Untergruppe	. with movement performed by rollers or discs with material passing over or between them, e.g. suction drum, sieve
F26B 17/30	1-Punkt Untergruppe	. with movement performed by rotary or oscillating containers; with movement performed by rotary floors
F26B 17/32	2-Punkt Untergruppe	. . the movement being in a horizontal or slightly-inclined plane
F26B 17/34	2-Punkt Untergruppe	. . the movement being in a vertical or steeply-inclined plane
F26B 19/00	**Hauptgruppe**	**Machines or apparatus for drying solid materials or objects not covered by groups F26B 9/00-F26B 17/00**
F26B 20/00	**Hauptgruppe**	**Combinations of machines or apparatus covered by two or more of groups F26B 9/00-F26B 19/00**
		Details of general application
F26B 21/00	**Hauptgruppe**	**Arrangements for supplying or controlling air or gases for drying solid materials or objects (air-conditioning or ventilation in general F24F)**
F26B 21/02	1-Punkt Untergruppe	. Circulating air or gases in closed cycles, e.g. wholly within the drying enclosure (F26B 21/14 takes precedence)
F26B 21/04	2-Punkt Untergruppe	. . partly outside the drying enclosure
F26B 21/06	1-Punkt Untergruppe	. Controlling, e.g. regulating, parameters of gas supply (F26B 21/14 takes precedence)
F26B 21/08	2-Punkt Untergruppe	. . Humidity
F26B 21/10	2-Punkt Untergruppe	. . Temperature; Pressure
F26B 21/12	2-Punkt Untergruppe	. . Velocity of flow; Quantity of flow

Symbol	Typ	Titel
F26B 21/14	1-Punkt Untergruppe	. using gases or vapours other than air or steam
F26B 23/00	**Hauptgruppe**	**Heating arrangements (using heated air or gases F26B 21/00)**
F26B 23/02	1-Punkt Untergruppe	. using combustion heating (F26B 23/10 takes precedence)
F26B 23/04	1-Punkt Untergruppe	. using electric heating (F26B 23/10 takes precedence)
F26B 23/06	2-Punkt Untergruppe	. . resistance heating
F26B 23/08	2-Punkt Untergruppe	. . inductive heating; capacitative heating; microwave heating
F26B 23/10	1-Punkt Untergruppe	. using tubes or passages containing heated fluids
F26B 25/00	**Hauptgruppe**	**Details of general application not covered by group F26B 21/00 or F26B 23/00 (loading, conveying, or unloading in general B65G)**
F26B 25/02	1-Punkt Untergruppe	. Applications of driving mechanisms, not covered by another subclass
F26B 25/04	1-Punkt Untergruppe	. Agitating, stirring, or scraping devices
F26B 25/06	1-Punkt Untergruppe	. Chambers, containers, or receptacles
F26B 25/08	2-Punkt Untergruppe	. . Parts thereof
F26B 25/10	3-Punkt Untergruppe	. . . Floors, roofs, or bottoms; False bottoms
F26B 25/12	3-Punkt Untergruppe	. . . Walls or sides; Doors
F26B 25/14	2-Punkt Untergruppe	. . Chambers, containers, receptacles of simple construction
F26B 25/16	3-Punkt Untergruppe	. . . mainly closed, e.g. drum
F26B 25/18	3-Punkt Untergruppe	. . . mainly open, e.g. dish, tray, pan
F26B 25/20	1-Punkt Untergruppe	. Rollers (F26B 25/06 takes precedence)
F26B 25/22	1-Punkt Untergruppe	. Controlling the drying process in dependence on liquid content of solid materials or objects