

CPC

COOPERATIVE PATENT CLASSIFICATION

A61J

CONTAINERS SPECIALLY ADAPTED FOR MEDICAL OR PHARMACEUTICAL PURPOSES; DEVICES OR METHODS SPECIALLY ADAPTED FOR BRINGING PHARMACEUTICAL PRODUCTS INTO PARTICULAR PHYSICAL OR ADMINISTERING FORMS; DEVICES FOR ADMINISTERING FOOD OR MEDICINES ORALLY; BABY COMFORTERS; DEVICES FOR RECEIVING SPITTLE

A61J 1/00

Containers specially adapted for medical or pharmaceutical purposes (capsules or the like for oral use [A61J 3/07](#); boxes for medical appliances, doctors' bags [A61B 19/02](#); antithrombogenic treatment of articles for conditioning blood [A61L 33/00](#); devices for introducing media into or onto the body [A61M](#); containers for radioactive substances [G21F 5/00](#))

A61J 1/03

for pills or tablets (containers with special dispensing means therefor [B65D 83/04](#))

A61J 1/035

{Blister-type containers (blisters in general [B65D 75/36](#))}

A61J 1/05

for collecting, storing or administering blood, plasma or medical fluids {(multiple bags systems for separating or storing blood components [A61M 1/0209](#)); Infusion or perfusion containers}

A61J 1/06

Ampoules or carpules (syringe ampoules or carpules [A61M 5/28](#))

A61J 1/062

{Carpules}

A61J 1/065

{Rigid ampoules, e.g. glass ampoules}

A61J 1/067

{Flexible ampoules, the contents of which are expelled by squeezing}

A61J 1/10

Bag-type containers

A61J 1/12

with means for holding samples of contents

A61J 1/14

Details, { e.g. inlet or outlet ports, provisions for hanging, shape retaining means}; Accessories therefor, { e.g. connections of tubings, valves, caps (plugs or stoppers [B65D 51/00](#))} ([A61J 7/00](#) takes precedence; openers [B65D](#), [B67B 7/00](#))]

A61J 1/1406

{ Septums, pierceable membranes}

A61J 1/1412

{ Containers with closing means, e.g. caps (plugs for containers [B65D 51/00](#))}

A61J 1/1437

{ Locking means requiring key or combination to open the container}

A61J 1/1443

{Containers with means for dispensing liquid medicaments in a filtered or sterile way, e.g. with bacterial filters}

A61J 1/1462

{ Containers with provisions for hanging, e.g. integral adaptations of the container (accessories for hanging the container [A61J 1/16](#), [A61M 5/1414](#))}

A61J 1/1475

{ Inlet or outlet ports}

A61J 1/1493

{ Containers with shape retaining means, e.g. to support the structure of the container during emptying or filling}

A61J 1/16

Holders for containers

A61J 1/165

{Cooled holders, e.g. for medications, insulin, blood, plasma (containers with thermal insulation in general [B65D 81/38](#); ice-boxes [F25D](#))}

A61J 1/18

Arrangements for indicating condition of container contents, e.g. strile condition

- A61J 1/20 . . . Arrangements for transferring { or mixing} fluids, e.g. from vial to syringe
{(containers in general with provisions for mixing contents [B65D 81/32](#))}
- A61J 1/2089 { Containers or vials which are to be joined to each other in order to mix their
contents (combinations of vial and syringe for mixing their contents
[A61J 1/2096](#))}
- A61J 1/2093 { Containers having several compartments for products to be mixed}
- A61J 1/2096 { Combination of a vial and a syringe for transferring or mixing their contents}
- A61J 1/22 . . . with means for metering the amount of fluid

A61J 3/00 **Devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms** (chemical aspects, see the relevant classes)

- A61J 3/002 . {Compounding apparatus specially for enteral or parenteral nutritive solutions (bottling
liquids [B67C](#))}
- A61J 3/005 . {Coating of tablets or the like (coating of sweetmeats or confectionery [A23G 3/20](#);
coating of granules in general [B01J 2/006](#))}
- A61J 3/007 . {Marking tablets or the like (apparatus for printing on tablets or the like [B41F 17/36](#))}
- A61J 3/02 . into the form of powders (pulverising in general [B02C](#))
- A61J 3/04 . into the form of ointments
- A61J 3/06 . into the form of pills, lozenges or dragees
- A61J 3/07 . into the form of capsules or similar small containers for oral use
- A61J 3/071 . . {into the form of telescopically engaged two-piece capsules}
- A61J 3/072 . . . {Sealing capsules, e.g. rendering them tamper-proof}
- A61J 3/074 . . . {Filling capsules; Related operations}
- A61J 3/075 {Manually operated filling apparatus}
- A61J 3/077 . . . {Manufacturing capsule shells}
- A61J 3/078 . . {into the form of wafers or cachets}
- A61J 3/08 . into the form of suppositories or sticks
- A61J 3/10 . into the form of compressed tablets (tablet presses [B30B 11/00](#))

Administering medicines orally; Feeding-bottles in general; Teats; Devices for receiving spittle

A61J 7/00 **Devices for administering medicines orally, e.g. spoons** (calibrated capacity measures for fluids or fluent solid material [G01F 19/00](#); weighing spoons [G01G 19/56](#)); **Pill counting devices; Arrangements for time indication or reminder for taking medicine**

- A61J 7/0007 . {Pill breaking or crushing devices}

- A61J 7/0015 . { Devices specially adapted for taking medicines}
- A61J 7/0023 . . { Spoons}
- A61J 7/003 . . { Sticks, e.g. lollipops with drug release}
- A61J 7/0038 . . { Straws}
- A61J 7/0046 . . { Cups, bottles or bags}
- A61J 7/0053 . . { Syringes, pipettes or oral dispensers}
- A61J 7/0061 . . { Swallow helping devices, e.g. tongue shields}

- A61J 7/0069 . {Trays for holding or distributing medicines (display trays [A47F 3/14](#); serving trays [A47G 23/06](#))}

- A61J 7/0076 . {Medicament distribution means (with pill counting devices [A61J 7/02](#); with time indication [A61J 7/04](#); containers or packages with special means for dispensing contents [B65D 83/00](#))}
- A61J 7/0084 . . {for multiple medicaments}

- A61J 7/0092 . {for holding medicines in, or fixing medicines on, a tooth, e.g. holder containing medicines fixed on a tooth (medicament applicators for teeth or gums [A61C 19/063](#))}

- A61J 7/02 . Pill counting devices

- A61J 7/04 . Arrangements for time indication or reminder for taking medicine, e.g. programmed dispensers
- A61J 7/0409 . . {with timers}
- A61J 7/0472 . . . {of the count-down type, i.e. counting down a predetermined interval after each reset}
- A61J 7/0481 . . . {working on a schedule basis}

- A61J 9/00** **Feeding-bottles in general** (electric heating elements [H05B](#))

- A61J 9/001 . {with inner liners}
- A61J 9/003 . {Vacuum feeding-bottles (vacuum bottles in general [A47J 41/02](#))}
- A61J 9/005 . {Non-rigid or collapsible feeding-bottles}
- A61J 9/006 . { having elongated tubes, e.g. for drinking from bottle in upright position}
- A61J 9/008 . { having storage compartments, e.g. for storing a teat}
- A61J 9/02 . with thermometers
- A61J 9/04 . with means for supplying air
- A61J 9/06 . Holders for bottles
- A61J 9/08 . Protective covers for bottles
- A61J 9/085 . . { Lids for closing the bottle}

A61J 11/00**Teats**

- A61J 11/0005 . { having additional ports, e.g. for connecting syringes or straws (devices for administering medicines orally [A61J 7/00](#))}
- A61J 11/001 . { having means for regulating the flow rate}
- A61J 11/0015 .. { by size or shape of the opening}
- A61J 11/002 .. { by using valves}
- A61J 11/0025 . { having filters}
- A61J 11/003 . { having means for incorporating a mother's scent}
- A61J 11/0035 . { having particular shape or structure}
- A61J 11/004 .. { angled, e.g. in respect to the bottle}
- A61J 11/0045 .. { Aesthetic properties}
- A61J 11/005 ... { for imitating a nipple}
- A61J 11/0055 ... { for soothing, e.g. toy-like}
- A61J 11/006 .. { for improving flexibility}
- A61J 11/0065 .. { for improving rigidity, e.g. anti-bite-through or anti-collapsing}
- A61J 11/007 . { having orthodontic properties, e.g. for promoting correct teeth development}
- A61J 11/0075 . { Accessories therefor}
- A61J 11/008 .. { Protecting caps}
- A61J 11/0085 ... { with means for preventing leakage}
- A61J 11/009 .. { Puncturing tools, e.g. for creating an opening in the teat}
- A61J 11/0095 .. { Seal rupturing means (containers having several compartments for products to be mixed [A61J 1/2093](#))}
- A61J 11/02 . with means for supplying air
- A61J 11/04 . with means for fastening to bottles
- A61J 11/045 .. { with interlocking means, e.g. protrusions or indentations on the teat}

A61J 13/00**Breast-nipple shields** (breast-pumps [A61M 1/06](#))**A61J 15/00****Feeding-tubes for therapeutic purposes** (drinking tubes as tableware [A47G 21/18](#))

- A61J 15/0003 . { Nasal or oral feeding-tubes, e.g. tube entering body through nose or mouth}
- A61J 15/0007 .. { inserted by using a guide-wire (guide wires [A61M 25/09](#))}
- A61J 15/0011 . { Feeding-tubes for delivery of nourishment to the mouth; Mouth pieces therefor (breast-nipple shields [A61J 13/00](#); mouth pieces for drinking straws [A47G 21/185](#); straws to take medicine [A61J 7/0038](#), mouthpieces for tracheal tubes [A61M 16/0488](#))}

- A61J 15/0015 . { Gastrostomy feeding-tubes (insertion tools or methods [A61B 17/34](#))}
- A61J 15/0019 .. { inserted by using a pull-wire}
- A61J 15/0023 .. { inserted by using a sheath}
- A61J 15/0026 . { Parts, details or accessories for feeding-tubes (external tubes from the medical container to a connector outside of the body [A61M 39/08](#))}
- A61J 15/003 .. { Means for fixing the tube inside the body, e.g. balloons, retaining means (holding devices holding in the body [A61M 25/04](#))}
- A61J 15/0034 ... { Retainers adjacent to a body opening to prevent that the tube slips through, e.g. bolsters}
- A61J 15/0038 { expandable, e.g. umbrella type}
- A61J 15/0042 { inflatable}
- A61J 15/0046 ... { Expandable retainers inside body lumens of the enteral tract, e.g. fixing by radially contacting a lumen wall}
- A61J 15/0049 { Inflatable Balloons (balloon catheters [A61M 25/10](#))}
- A61J 15/0053 .. { Means for fixing the tube outside of the body, e.g. by a special shape, by fixing it to the skin (holding devices, e.g. on the body [A61M 25/02](#), mouthpieces for tracheal tubes [A61M 16/0488](#); transcutaneous access sites [A61M 39/0247](#))}
- A61J 15/0057 ... { fixing a tube end, i.e. tube not protruding the fixing means}
- A61J 15/0061 ... { fixing at an intermediate position on the tube, i.e. tube protruding the fixing means}
- A61J 15/0065 ... { Fixing means and tube being one part}
- A61J 15/0069 .. { Tubes feeding directly to the intestines, e.g. to the jejunum}
- A61J 15/0073 .. { Multi-lumen tubes}
- A61J 15/0092 .. { Valves on feeding tubes (Tube valves [A61M 39/22](#))}
- A61J 15/0096 .. { Provisions for venting}

A61J 17/00 Baby-comforters; Teething rings

- A61J 17/02 . Teething rings

A61J 19/00 Devices for receiving spittle, e.g. spittoons ({devices for taking sputum samples [A61B 10/0051](#); for dentists [A61C 17/04](#))

- A61J 19/02 . Sputum flasks
- A61J 19/04 . Spittoons with water supply
- A61J 19/06 . Combustible sputum cups

A61J 2001/00 Containers specially adapted for medical or pharmaceutical purposes (capsules or the like for oral use [A61J 3/07](#); boxes for medical appliances, doctors' bags [A61B 19/02](#); antithrombogenic treatment of articles for conditioning blood [A61L 33/00](#); devices for introducing media into or onto the body [A61M](#); containers for radioactive substances

G21F 5/00)

- A61J 2001/05 . for collecting, storing or administering blood, plasma or medical fluids {(multiple bags systems for separating or storing blood components [A61M 1/0209](#)); Infusion or perfusion containers}
- A61J 2001/14 .. Details, { e.g. inlet or outlet ports, provisions for hanging, shape retaining means}; Accessories therefor, { e.g. connections of tubings, valves, caps (plugs or stoppers [B65D 51/00](#))}([A61J 7/00](#) takes precedence; openers [B65D](#), [B67B 7/00](#))]
- A61J 2001/1412 ... { Containers with closing means, e.g. caps (plugs for containers [B65D 51/00](#))}
- A61J 2001/1418 threaded type
- A61J 2001/1425 snap-fit type
- A61J 2001/1431 permanent type, e.g. welded or glued
- A61J 2001/1443 ... {Containers with means for dispensing liquid medicaments in a filtered or sterile way, e.g. with bacterial filters}
- A61J 2001/145 using air filters
- A61J 2001/1456 using liquid filters
- A61J 2001/1468 ... Containers with specific material properties
- A61J 2001/1475 ... { Inlet or outlet ports}
- A61J 2001/1481 with connection retaining means, e.g. thread or snap-fit
- A61J 2001/1487 with friction fit, e.g. connecting tubes directly to a protruding port
- A61J 2001/20 ... Arrangements for transferring { or mixing} fluids, e.g. from vial to syringe {(containers in general with provisions for mixing contents [B65D 81/32](#))}
- A61J 2001/2003 Accessories used in combination with means for transfer or mixing of fluids, e.g. for activating fluid flow, separating fluids, filtering fluid or venting
- A61J 2001/2006 Piercing means
- A61J 2001/201 having one piercing end
- A61J 2001/2013 having two piercing ends
- A61J 2001/2017 having more than two piercing ends
- A61J 2001/202 Separating means
- A61J 2001/2024 having peelable seals
- A61J 2001/2027 having frangible parts
- A61J 2001/2031 having openings brought into alignment
- A61J 2001/2034 having separation clips
- A61J 2001/2037 having valve means
- A61J 2001/2041 having removable plugs
- A61J 2001/2044 having slits
- A61J 2001/2048 Connecting means
- A61J 2001/2051 having tap means, e.g. tap means activated by sliding
- A61J 2001/2055 having gripping means
- A61J 2001/2058 having multiple connecting ports
- A61J 2001/2062 with directional valves
- A61J 2001/2065 having aligning and guiding means
- A61J 2001/2068 Venting means

A61J 2001/2072	.....	for internal venting
A61J 2001/2075	.....	for external venting
A61J 2001/2079	.....	Filtering means
A61J 2001/2082	.....	for gas filtration
A61J 2001/2086	.....	for fluid filtration

A61J 2007/00 **Devices for administering medicines orally, e.g. spoons** ([calibrated capacity measures for fluids or fluent solid material G01F 19/00](#); [weighing spoons G01G 19/56](#)); **Pill counting devices; Arrangements for time indication or reminder for taking medicine**

A61J 2007/04	.	Arrangements for time indication or reminder for taking medicine, e.g. programmed dispensers
A61J 2007/0409	..	{with timers}
A61J 2007/0418	...	with electronic history memory
A61J 2007/0427	...	with direct interaction with a dispensing or delivery system
A61J 2007/0436	resulting from removing a drug from, or opening, a container
A61J 2007/0445	by preventing drug dispensing during a predetermined time period
A61J 2007/0454	...	for multiple drugs
A61J 2007/0463	...	for multiple patients
A61J 2007/0481	...	{working on a schedule basis}
A61J 2007/049	changed automatically as a reaction on a schedule deviation due to the patient

A61J 2009/00 **Feeding-bottles in general** ([electric heating elements H05B](#))

A61J 2009/06	.	Holders for bottles
A61J 2009/0607	..	having aesthetic properties, e.g. toy-like or imitating a female breast
A61J 2009/0615	..	providing isolation
A61J 2009/0623	..	facilitating gripping
A61J 2009/063	..	having a particular supporting function
A61J 2009/0638	...	for supporting in a feeding position
A61J 2009/0646	...	for supporting only in a non-feeding position
A61J 2009/0653	..	characterised by the type of support
A61J 2009/0661	...	attachable to a device or furniture, e.g. crib, commode or stroller
A61J 2009/0669	...	supported by the infant
A61J 2009/0676	...	supported by the caregiver
A61J 2009/0684	...	having a self supporting base
A61J 2009/0692	...	comprising a flexible arm

A61J 2015/00 **Feeding-tubes for therapeutic purposes** ([drinking tubes as tableware A47G 21/18](#))

A61J 2015/0026	.	{ Parts, details or accessories for feeding-tubes (external tubes from the medical container to a connector outside of the body A61M 39/08) }
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- A61J 2015/0076 . . Feeding pumps ([A61M 1/00](#), [A61M 5/142](#), [A61M 25/1018](#) take precedence)
- A61J 2015/008 . . Sensor means, e.g. sensing reflux, acidity, pressure ([sensors for diagnostic purposes A61B 5/00](#); [sensors for inflation control A61M 25/1018](#))
- A61J 2015/0084 . . . for sensing parameters of the patient
- A61J 2015/0088 . . . for sensing parameters of the device

A61J 2017/00**Baby-comforters; Teething rings**

- A61J 2017/001 . Baby-comforters
- A61J 2017/002 . . with music box
- A61J 2017/003 . . with thermometer
- A61J 2017/005 . . light-emitting
- A61J 2017/006 . . releasing medication
- A61J 2017/007 . . mounted on soft cushion or doll
- A61J 2017/008 . . with protective shield

A61J 2200/00**General characteristics or adaptations**

- A61J 2200/10 . Coring prevention means, e.g. for plug or septum piecing members
- A61J 2200/20 . Extrusion means, e.g. for producing pharmaceutical forms
- A61J 2200/30 . Compliance analysis for taking medication
- A61J 2200/40 . Heating or cooling means; Combinations thereof
- A61J 2200/42 . . Heating meansf
- A61J 2200/44 . . Cooling means
- A61J 2200/50 . Insulating means
- A61J 2200/60 . biodegradable
- A61J 2200/70 . Device provided with specific sensor or indicating means
- A61J 2200/72 . . for temperature
- A61J 2200/74 . . for weight
- A61J 2200/76 . . for fluid level

A61J 2205/00**General identification or selection means**

- A61J 2205/10 . Bar codes
- A61J 2205/20 . Colour codes

- A61J 2205/30 . Printed labels
- A61J 2205/40 . by shape or form, e.g. by using shape recognition
- A61J 2205/50 . using icons or symbolic figures, e.g. by a graphical representation symbolising the type of pathology or the organ by an image
- A61J 2205/60 . using magnetic or electronic identifications, e.g. chips, RFID, electronic tags
- A61J 2205/70 . Audible labels, e.g. for pre-recorded info or messages