

**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 2001/1418**

.... { threaded type }

**A61J 2001/1425**

.... { snap-fit type }

**A61J 2001/1431**

.... { permanent type, e.g. welded or glued }

**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 2001/145**

.... { using air filters }

**A61J 2001/1456**

.... { using liquid 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 2001/1468**

... { Containers with specific material properties }

A61J 1/1475	...	{ 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 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 <a href="#">B65D 81/38</a> ; ice-boxes <a href="#">F25D</a> ) }
A61J 1/18	...	Arrangements for indicating condition of container contents, e.g. sterile condition
A61J 1/20	...	Arrangements for transferring { or mixing } fluids, e.g. from vial to syringe {(containers in general with provisions for mixing contents <a href="#">B65D 81/32</a> ) }
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 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 <a href="#">A61J 1/2096</a> ) }
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](#))
- Guidance heading:** **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 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 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 2007/049 .... { changed automatically as a reaction on a schedule deviation due to the patient }
  
- 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 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 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 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 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 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 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 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