MACHINES OR APPARATUS FOR TREATING HARVESTED FRUIT, VEGETABLES OR FLOWER BULBS IN BULK; APPARATUS FOR PREPARING ANIMAL FEEDING-STUFFS (machines for cutting straw or fodder A01F 29/00; disintegrating, e.g. shredding, B02C; severing, e.g. cutting, splitting, slicing B26B, B26D)

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00  Machines or apparatus for extracting juice (preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, A23L 2/00; apparatus for making beverages A47J 31/00 [centrifuges B06B]; extracting presses B30B)
  1/003  . [especially for citrus fruits]
  1/006  . [by electroplosmolytic treatment (preserving of fruit or vegetables by electroplosmolytic treatment A23B 7/015)]
  1/02  . combined with disintegrating or cutting

3/00  Machines for coring or stoning fruit, characterised by their feeding device (A23N 4/00 takes precedence [{; kitchen devices for stoning fruit A47J 25/00}])
  3/02  . with feeder-drums
  3/04  . with endless feeder-belts
  3/06  . with feeder-tables

4/00  Machines for stoning fruit or removing seed-containing sections from fruit, characterised by their stoning or removing device (for peeling fruit and removing seed-containing sections A23N 7/08; domestic devices for stoning fruit A47J 23/00; for coring fruit A47J 25/00)
  4/02  . for stoning fruit
  4/04  . . for peaches, plums, apricots or the like
  4/06  . . for cherries or the like (A23N 4/04 takes precedence)
  4/08  . . for dates, olives or the like oblong fruits
  4/085  . . . {for olives}
  4/10  . . for fruit with very small pips, e.g. raisins
  4/12  . . for coring fruit [{(for household appliances B26B)}]
  4/14  . . for apples, pears or the like
  4/16  . . for tomatoes or the like
  4/18  . . for citrus fruits
  4/20  . . for pineapples
  4/22  . for both splitting and stoning

4/24  . for removing seed-containing sections from cut fruit (material in A23N 4/12)

5/00  Machines for hulling, husking or cracking nuts {household nutcrackers A47J 43/26)
  5/002  . {for skinning nut kernels]
  5/004  . {for palmnuts (A23N 5/002 and A23N 5/08 take precedence)}
  5/006  . {for chestnuts (A23N 5/002 and A23N 5/08 take precedence)}
  5/008  . {for almonds (A23N 5/002 and A23N 5/08 take precedence)}
  5/01  . for peanuts
  5/03  . for coconuts (A23N 5/08 takes precedence)
  5/08  . for removing fleshy or fibrous hulls of nuts (for peanuts A23N 5/01)

7/00  Peeling vegetables or fruit {devices for skinning onions A23N 15/08; {peeling by non-mechanical means A23P}; peeling machines of the household type A47J 17/00)
  7/002  . {Peeling pinacapples (A23N 7/005 and A23N 7/01 take precedence)}
  7/005  . {Peeling with steam}

2007/007  . {Brush rollers for peeling fruit or vegetables}

7/01  . using chemical substances, e.g. lye
  7/02  . Peeling potatoes, apples or similarly shaped vegetables or fruit [{A23N 7/005 and A23N 7/01 take precedence}]
  7/023  . . {one by one}
  7/026  . . {Peeling machines therefor with rotary fruit holding spindles and fixed or movable peeler blades}
  7/04  . Peeling asparagus [{A23N 7/005 and A23N 7/01 take precedence}]
  7/08  . for peeling fruit and removing seed-containing sections

7/10  . Driving mechanisms

11/00  Removing pith from stems
12/00  Machines for cleaning, blanching, drying or roasting fruits or vegetables, e.g. coffee, cocoa, nuts (methods for treating, e.g. roasting, coffee or cocoa, A23F, A23G; cleaning, e.g. washing, or drying grain B02B 1/00; separating solids from solids for cleaning B07B; cleaning in general B08B; heating devices per se, see the relevant classes, e.g. F24; drying machines in general F26B)

12/005  . [for dry-cleaning]
12/02  . for washing or blanching (A23N 12/06 takes precedence; blanching methods A23B 7/06)
12/023  . . [for washing potatoes, apples or similarly shaped vegetables or fruit (washing grain B02B 1/04)]
12/026  . . . [Stone-gatherers or cleaning devices for the washing machines]
12/04  . . for blanching
12/06  . for washing or blanching, combined with subsequent drying
12/08  . for drying or roasting (A23N 12/06 takes precedence)
12/083  . . [with stirring, vibrating or grinding devices]
12/086  . . [with centrifuging devices]
12/10  . . Rotary roasters
12/12  . . Auxiliary devices for roasting machines
12/125  . . . [Accessories or details]

15/00  Machines or apparatus for other treatment of fruits or vegetables for human purposes; Machines or apparatus for topping or skinning flower bulbs ((treatment of coffee, other than drying or roasting A23F; treatment of cocoa A23G 1/02))

15/001  . [for trimming artichokes]
15/003  . [for trimming cauliflowers, broccoli or cabbages]
15/005  . [for pricking peas or beans]
15/006  . (Singularising cherries or other clustered fruit and vegetables)
15/008  . [Sorting of fruit and vegetables]
15/01  . for stripping Brussels' sprouts from stalks
15/02  . for stemming, piercing, or stripping fruit ([for household appliances A47J 21/00]); Removing sprouts of potatoes
15/025  . . [for stemming grapes]
15/04  . Devices for topping fruit or vegetables (topping onions A23N 15/08)
15/045  . . [Devices for topping mushrooms]
15/06  . Devices for other treatment of fruit, e.g. marking, maturing, polishing
15/08  . Devices for topping or skinning onions or flower bulbs
15/10  . for shelling peas or beans
15/12  . for snipping or stringing beans

17/00  Apparatus specially adapted for preparing animal feeding-stuffs ([automatic devices for the distribution of liquid fodder for stock or game A01K 5/0216; sucking apparatus for young stock A01K 9/00])

17/001  . [by treating with chemicals, e.g. ammoniac, sodium hydroxide (processes A23K 10/32)]
17/002  . [for treating of meat, fish waste or the like]
17/004  . [for treating by application of heat, e.g. by means of potato cookers (drying F26B)]
17/005  . [for shaping by moulding, extrusion, pressing, e.g. pellet-mills (processes A23K 40/00; presses in general B30B)]
17/007  . [for mixing feeding-stuff components]