

# CPC COOPERATIVE PATENT CLASSIFICATION

## B41P INDEXING SCHEME RELATING TO PRINTING, LINING MACHINES, TYPEWRITERS, AND TO STAMPS

### NOTE

This subclass constitutes an internal scheme for indexing only.

<b>2200/00</b>	<b>Printing processes</b>		
2200/10	. Relief printing	2213/71	. . Inching drive mechanism, i.e. to obtain stepwise movement
2200/11	. . Stereotype printing	2213/72	. . Driving devices for monocolour presses
2200/12	. . Flexographic printing	2213/73	. . Driving devices for multicolour presses
2200/13	. . Offset printing	2213/732	. . . with means for deviating torque over the printing units
2200/20	. Lithography	2213/734	. . . each printing unit being driven by its own electric motor, i.e. electric shaft
2200/21	. . Dry offset printing	2213/80	. Means enabling or facilitating exchange of cylinders ( <a href="#">exchanging tubular printing plates B41P 2227/20</a> )
2200/22	. . Wet offset printing	2213/802	. . axially
2200/30	. Heliography	2213/804	. . radially
2200/31	. . Pad printing	2213/90	. Register control
2200/312	. . . multicolor	2213/91	. . for sheet printing presses
2200/40	. Screen printing		
2200/41	. . Offset printing	<b>2215/00</b>	<b>Screen printing machines</b>
2200/42	. . Mimeographic printing, e.g. stencilling	2215/10	. characterised by their constructional features
<b>2213/00</b>	<b>Arrangements for actuating or driving printing presses; Auxiliary devices or processes</b>	2215/11	. . Registering devices
2213/10	. Constitutive elements of driving devices ( <a href="#">driving reciprocating printing dies B41P 2219/10</a> )	2215/112	. . . with means for displacing the frame
2213/11	. . Motors	2215/114	. . . with means for displacing the article
2213/112	. . . Fluid motors	2215/12	. . Screens
2213/114	. . . . Hydraulic motors	2215/13	. . Devices for increasing ink penetration
2213/116	. . . . . Linear hydraulic motors	2215/132	. . . by increasing pressure above the screen
2213/118	. . . . . Rotary hydraulic motors	2215/134	. . . by increasing pressure beneath the screen
2213/12	. . . . Pneumatic motors	2215/14	. . Devices or methods for reducing snap effect
2213/122	. . . . . Linear pneumatic motors	2215/50	. Screen printing machines for particular purposes
2213/124	. . . Electric motors	2215/55	. . for printing compact discs
2213/126	. . . . Rotary electric motors	2215/56	. . for printing ceramic tiles
2213/128	. . . . Linear electric motors		
2213/13	. . . . Solenoids	<b>2217/00</b>	<b>Printing machines of special types or for particular purposes</b>
2213/20	. . Gearings	2217/10	. characterised by their constructional features
2213/202	. . . Helical gears	2217/11	. . Machines with modular units, i.e. with units exchangeable as a whole
2213/204	. . . Bevel gears	2217/12	. . Machines with reversible printing units
2213/206	. . . Planetary gears	2217/13	. . Machines with double or multiple printing units for "flying" printing plates exchange
2213/208	. . . Harmonic drive	2217/14	. . Machines with constructions allowing refurbishing, converting or updating existing presses
2213/25	. . Couplings; Clutches	2217/15	. . Machines with cylinders only supported on one side, e.g. cantilever construction
2213/252	. . . Synchroclutches	2217/50	. Printing presses for particular purposes
2213/254	. . . Devices allowing two gears to engage with each other	2217/51	. . for printing individualised books
2213/256	. . . . in a fixed angular position	2217/52	. . for printing a long repeat length on webs
2213/30	. . Rotary energy transmitters, i.e. electric energy couplers	2217/53	. . for printing on the interior of hollow articles
2213/302	. . . using pneumatic energy, e.g. pressurised air	2217/55	. . for printing compact discs
2213/304	. . . using hydraulic energy	2217/56	. . for printing ceramic tiles
2213/40	. Auxiliary devices or processes associated with the drives	2217/60	. . Means for supporting the articles
2213/42	. . Vibration-dampers for machine parts ( <a href="#">for cylinders B41F 13/085</a> )	2217/61	. . . internally, e.g. for mugs or goblets
2213/44	. . Noise reduction	2217/62	. . . externally, e.g. for bottles
2213/46	. . Lubrication		
2213/70	. Driving devices associated with particular installations or situations	<b>2219/00</b>	<b>Printing presses using a heated printing foil</b>
		2219/10	. Driving devices for the reciprocating die

2219/11	. . Hydraulic or pneumatic motors	2233/20	. Safety devices preventing damage
2219/12	. . Electric motors	2233/21	. . by cutting the web in case of web break
2219/13	. . Gearings	2233/22	. . by deviating the web in case of web break
2219/132	. . . Cams or eccentrics	2233/23	. . by preventing the web winding up around cylinders
2219/134	. . . Knee-lever		
2219/20	. Arrangements for moving, supporting or positioning the printing foil	2233/30	. Measuring or controlling the consumption of ink
2219/21	. . Supports for the unwinding roll; Braking devices for the unwinding roll	2233/50	. Marks on printed material
2219/22	. . Guiding or tensioning the printing foil	2233/51	. . for colour quality control
2219/23	. . Winding up the printing foil	2233/52	. . for registering
2219/30	. Printing dies		
2219/31	. . Heating means	<b>2235/00</b>	<b>Cleaning</b>
2219/32	. . with means for attaching printing elements to the holder	2235/10	. characterised by the methods or devices
2219/33	. . Supports for printing dies	2235/12	. . using laser energy
2219/40	. Material or products to be decorated or printed	2235/14	. . using ultrasonic energy
2219/41	. . Web-like material	2235/20	. . Wiping devices
2219/42	. . Sheet-like material	2235/21	. . . Scrapers, e.g. absorbent pads
2219/43	. . Three-dimensional articles	2235/22	. . . Rollers
2219/432	. . . Pencils	2235/23	. . . Brushes
2219/434	. . . Books, e.g. edge-gilding	2235/24	. . . using rolls of cleaning cloth
2219/50	. combined with existing presses	2235/242	. . . . Unwinding the cleaning cloth
2219/51	. . Converting existing presses to foil printing presses	2235/244	. . . . Rewinding the cleaning cloth
2219/60	. Using more than one printing foil	2235/246	. . . . Pressing the cleaning cloth against the cylinder
<b>2227/00</b>	<b>Mounting or handling printing plates; Forming printing surfaces in situ</b>	2235/26	. . Spraying devices
2227/10	. Attaching several printing plates on one cylinder	2235/27	. . Suction devices
2227/11	. . in axial direction	2235/30	. Recovering used solvents or residues
2227/12	. . in circumferential direction	2235/31	. . by filtering
2227/20	. Means enabling or facilitating exchange of tubular printing or impression members, e.g. printing sleeves, blankets ( <a href="#">attaching cylindrical printing formes B41F 27/105</a> )	2235/32	. . by distilling
2227/21	. . Means facilitating exchange of sleeves mounted on cylinders without removing the cylinder from the press	2235/33	. . by burning
2227/30	. Detecting the correct position of printing plates on the cylinder	2235/40	. Cleaning restricted areas on cylinders
2227/40	. Adjusting means for printing plates on the cylinder	2235/50	. Selection of materials or products for cleaning
2227/41	. . axially		
2227/42	. . circumferentially	<b>2251/00</b>	<b>Details or accessories of printing machines not otherwise provided for</b>
2227/43	. . diagonally	2251/10	. Pumps
2227/50	. Devices for storing printing plates	2251/11	. . Membrane pumps
2227/60	. Devices for transferring printing plates	2251/112	. . Peristaltic pumps
2227/61	. . using the sheet feed system		
2227/62	. . Devices for introducing printing plates	<b>2700/00</b>	<b>Manifolding, printing or duplicating for office purposes</b>
2227/63	. . Devices for removing printing plates	2700/10	. Hectographic line duplicators
2227/70	. Forming the printing surface directly on the form cylinder	2700/12	. . with single master plates
<b>2231/00</b>	<b>Inking devices; Recovering printing ink</b>		
2231/10	. Axially segmented ducter rollers		
2231/12	. Axially segmented ink blades		
2231/20	. Recovering printing ink		
2231/21	. . by using mixtures of ink and water or repellant		
<b>2233/00</b>	<b>Arrangements for the operation of printing presses</b>		
2233/10	. Starting-up the machine		
2233/11	. . Pre-inking		
2233/12	. . Pre-wetting		
2233/13	. . Pre-registering		