

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

#### C14 SKINS; HIDES; PELTS; LEATHER

#### C14B MECHANICAL TREATMENT OR PROCESSING OF SKINS, HIDES OR LEATHER IN GENERAL; PELT-SHEARING MACHINES; INTESTINE-SPLITTING MACHINES (making leather substitutes [B29](#), [D06N](#); making articles from leather [B68F](#); mechanical cleaning of hides or the like [D06G](#); artificial leather [D06N](#))

<b>1/00</b>	<b>Manufacture of leather; Machines or devices therefor</b> {(machines specially adapted for forming upper shoe blanks or shoe leggings by stretching <a href="#">A43D 8/003</a> )}	1/44	• Mechanical treatment of leather surfaces
		1/46	• • Fluffing, buffing, or sanding
		1/48	• • Roughening (by sanding <a href="#">C14B 1/46</a> )
		1/50	• • Glazing
1/02	• Fleshing, unhairing, samming, stretching-out, setting-out, shaving, splitting, or skiving skins, hides, or leather	1/52	• • Brushing or plush-wheeling
		1/54	• • Ironing (pressing or rolling <a href="#">C14B 1/30</a> )
1/04	• • using slicking, scraping, or smoothing-out cylinders or blades fixed on supports, e.g. cylinders, in a plane substantially at right angles to the working surface	1/56	• • Ornamenting, producing designs, embossing (pressing or rolling in general <a href="#">C14B 1/30</a> ; producing design on furs <a href="#">C14B 15/12</a> )
		1/58	• Drying
1/06	• • • in machines in which the working piece is maintained in contact with the working tools solely by means of rolls	1/60	• • Pasting processes (pasting boards <a href="#">C14B 1/26</a> ; chemical part <a href="#">C14C 7/00</a> )
		1/62	• Winding or stacking hides or leather
1/08	• • • in machines with flexible bands as bed supporting or counter-pressure elements	<b>3/00</b>	<b>Milling leather</b>
1/10	• • • in machines with drums with cylindrical, conical, or similar surfaces for supporting the whole working piece	<b>5/00</b>	<b>Clicking, perforating, or cutting leather</b> (for shoe parts, e.g. soles, <a href="#">A43D</a> ; apparatus not specially adapted for leather <a href="#">B26D</a> )
1/12	• • • in machines with plane supporting bed-plates	5/02	• Stamps or dies for leather articles
1/14	• • using tools cutting the skin in a plane substantially parallel to its surface	5/04	• for making leather belts or strips
		5/06	• • Machines for cutting strips spirally from discs of leather
1/16	• • • using fixed or reciprocating knives	<b>7/00</b>	<b>Special leathers and their manufacture</b>
1/18	• • • using band knives	7/02	• Composite leathers (with one or more laminae of plastics material <a href="#">B32B</a> )
1/20	• • • using circular dished or coned knives		
1/22	• • • using cylindrical knives	7/04	• • by cementing or pressing together leather pieces, strips or layers, Reinforcing or stiffening leather by means of reinforcing layers
1/24	• • Cutting or shearing hairs without cutting the skin (shearing furs and plucking hairs for fur manufacturing purposes <a href="#">C14B 15/02</a> )	7/06	• Leather webs built up of interengaged strips or pieces, e.g. by braiding
1/26	• Leather tensioning or stretching frames; Stretching-machines; Setting-out boards; Pasting boards (pasting processes <a href="#">C14B 1/60</a> ; fastening devices <a href="#">C14B 17/08</a> )	<b>9/00</b>	<b>Making driving belts or other leather belts or strips</b>
1/28	• Machines for treating leather combined with devices for measuring and printing	<b>11/00</b>	<b>Finishing the edges of leather pieces, e.g. by folding, by burning</b> (milling <a href="#">C14B 3/00</a> )
1/30	• Pressing or rolling leather	<b>13/00</b>	<b>Shredding hides or leather</b> (shredding in general <a href="#">B02C</a> )
1/32	• • by linear movement of the pressing elements	<b>15/00</b>	<b>Mechanical treatment of furs</b>
1/34	• • by rotating movement of the pressing or rolling elements	15/005	• {Tumbling furs or pelts in a rotating drum}
1/36	• • • Bridge leather-rolling machines	15/02	• Shearing; Removing dead or coarse hairs or bristles by shearing or plucking
1/38	• Hammering leather	15/04	• Fur dressing
1/40	• Softening or making skins or leather supple, e.g. by staking, boarding, or crippling machines, by dry mills	15/06	• • Fur-stretching devices
1/42	• • by means of a rotatable drum with radial blades		

15/08	• Application of reinforcing or stiffening layers to fur skins	2700/185	• . . by means of a bridge leather-rolling machine
15/10	• Cutting furs; Making fur plates or strips	2700/20	• Processes or apparatus for making leather belts
15/12	• Finishing, e.g. pointing furs; Producing designs or patterns	2700/21	• Stretching machines or frames for belts
		2700/23	• Machines for cutting the skin in a plane substantially parallel to its surface
<b>17/00</b>	<b>Details of apparatus or machines for manufacturing or treating skins, hides, leather, or furs</b>	2700/25	• Cutting or shearing hairs without cutting the skin
17/005	• {Inspecting hides or furs}	2700/26	• Tools for tanning
17/02	• Blading cylinders or other working cylinders, e.g. slicking or scraping cylinders	2700/27	• Rotating drums for treating leather
17/04	• Work-supports or other counter-pressing elements; Bed rolls or counter-pressing rolls	2700/28	• Processes or apparatus for the mechanical treatment of hides or leather not provided for in groups <a href="#">C14B 2700/01</a> - <a href="#">C14B 2700/27</a>
17/06	• Work feeding or clamping devices		
17/08	• . . Fastening devices, e.g. clips for leather-stretching		
17/10	• Arrangements for driving parts of leather-working machines		
17/12	• Safety devices specially adapted for leather-working machines		
17/14	• Auxiliary devices for leather-working machines, e.g. grinding devices for blading cylinders or dust-removal devices combined with the working machines		
17/16	• {Inspecting hides or furs}		
<b>19/00</b>	<b>Hand tools specially adapted for the treatment of hides, skins, or leather in the manufacture of leather and furs (equipment and tools for saddlery B68C)</b>		
<b>21/00</b>	<b>Splitting intestines; Cutting intestines longitudinally (cleaning or cutting intestines during processing of meat A22C 17/00)</b>		
<b>99/00</b>	<b>Subject matter not provided for in other groups of this subclass</b>		
<b>2700/00</b>	<b>Mechanical treatment or processing of skins, hides or leather in general; Pelt-shearing machines; Making driving belts; Machines for splitting intestines</b>		
2700/01	• Machines or devices for treating skins, hides or leather in general, e.g. fleshing, unhairing, samming, stretching-out, setting-out		
2700/013	• . . using circular, cylindrical or band knives		
2700/016	• . . using slicking, scraping, or smoothing-out cylinders		
2700/02	• Machines or devices for treating skins, hides and leather using cylinders with helical blades and a tensioning cylinder, cylindrical or conical working table		
2700/07	• Leather tensioning or stretching frames; Stretching-machines; Setting-out boards; Pasting boards; Fastening devices; Drying of leather		
2700/10	• Processes and machines for splitting leather and devices for measuring and printing on hides		
2700/11	• Machines or apparatus for cutting or milling leather or hides		
2700/113	• . . Cutting presses		
2700/116	• . . Perforating machines		
2700/12	• Pressing or rolling leather		
2700/14	• Processes or apparatus for setting-out, smoothing, ironing or polishing leather or hides		
2700/16	• Machines for glazing, plush-wheeling or brushing		
2700/18	• Machines for producing designs on leather		