



# HARTWELL CORPORATION

Hartwell Part Number	Patent Number
HA1010	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1013	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1013K3999	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1082	GB1197619; ES1197619; FR1197619; DE60122644.5; ATE338182
HA1082-1K4097	GB1197619; ES1197619; FR1197619; DE60122644.5; ATE338182
HA1082-1K4098	GB1197619; ES1197619; FR1197619; DE60122644.5; ATE338182
HA1082-1K4100	GB1197619; ES1197619; FR1197619; DE60122644.5; ATE338182
HA1082-5K4527	GB1197619; ES1197619; FR1197619; DE60122644.5; ATE338182
HA1085	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1162	7131672; 7185926
HA1166	6913297
HA1168	7252311; GB1797263; ES1797263; FR1797263; CN05800392153
HA1194	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1194K4128	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1229	6866226; 6866227; 7255376; CA2489598; FR1576248; DE60349942.2; IT1576248; ES1576248; GB1576248
HA1247	8925979; GB1927711; FR1927711

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<b>HA1266</b>	6913297
<b>HA1291</b>	8925979; GB1927711; FR1927711
<b>HA1292</b>	8925979; GB1927711; FR1927711
<b>HA1292-3K4510</b>	8925979; GB1927711; FR1927711
<b>HA1293</b>	8925979; GB1927711; FR1927711
<b>HA1294</b>	8925979; GB1927711; FR1927711
<b>HA1295</b>	8925979; GB1927711; FR1927711
<b>HA1299</b>	8925979; GB1927711; FR1927711
<b>HA1313</b>	8919829; ES2507451; FR2507451; DE602010062074.3
<b>HA1391</b>	8925979; GB1927711; FR1927711
<b>HA1392</b>	8925979; GB1927711; FR1927711
<b>HA1392-3K4367</b>	8925979; GB1927711; FR1927711
<b>HA1392-3K4510</b>	8925979; GB1927711; FR1927711
<b>HA1395</b>	8925979; GB1927711; FR1927711
<b>HA1399</b>	8925979; GB1927711; FR1927711
<b>HA1467</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1477</b>	7882941; FR2165088; JP5269073; CA2691283; CN102203451; Patent Pending
<b>HA1477-1K4186</b>	7882941; FR2165088; JP5269073; CA2691283; CN102203451; Patent Pending

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<b>HA1477-1K4337</b>	7882941; FR2165088; JP5269073; CA2691283; CN102203451; Patent Pending
<b>HA1521</b>	8544900; JP5485916; IL207319; CN101960080; CA2713779; FR2245245; ES2245245; GB2245245; DE602009047747.1
<b>HA1530</b>	8544900; JP5485916; IL207319; CN101960080; CA2713779; FR2245245; ES2245245; GB2245245; DE602009047747.1
<b>HA1569</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1570</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1571</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1572</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1573</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1574</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1577</b>	8544900; JP5485916; IL207319; CN101960080; CA2713779; FR2245245; ES2245245; GB2245245; DE602009047747.1
<b>HA1581</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1582</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1583</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1584</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1585</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1586</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1605</b>	6913297
<b>HA1606</b>	6913297

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<b>HA1711</b>	ES2663707; FR2663707; DE602012060130.2; CA2826868
<b>HA1711-1K4332</b>	ES2663707; FR2663707; DE602012060130.2; CA2826868
<b>HA1717</b>	6913297
<b>HA1783</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1783K4260</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1783K4262</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1783-1K4263</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1783K4270</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1783-1K4421</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1816</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA1851</b>	6913297
<b>HA1875</b>	8016327; GB1892359; ES1892359; FR1892359
<b>HA1898</b>	6913297
<b>HA1990</b>	GB1245769; FR1245769
<b>HA2055</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA2078</b>	9650807; ES3108080; FR3108080; DE602015022814.6; Patent Pending
<b>HA2093</b>	10670063; FR3025548
<b>HA2165</b>	9500014; ES2009407; FR2009407; DE602013074793.8; CN106884588; CN104919123; Patent Pending

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<b>HA2203</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA2259</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2259K4396</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2259K4416</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2259K4469</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2263</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2263K4410</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2263K4411</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2273</b>	Patent Pending
<b>HA2367</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2368</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA2405</b>	9580945; CN104884721; Patent Pending
<b>HA2416</b>	Patent Pending
<b>HA2430</b>	Patent Pending
<b>HA2433</b>	6913297
<b>HA2464</b>	10767404
<b>HA2470</b>	Patent Pending
<b>HA2516</b>	Patent Pending

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<b>HA2553</b>	10443279; EP3344834
<b>HA2555</b>	11002046; GB3426870; ES3426870, FR3426870; DE602017016252.3
<b>HA2561</b>	Patent Pending
<b>HA2562</b>	Patent Pending
<b>HA2604</b>	Patent Pending
<b>HA2620</b>	Patent Pending
<b>HA2624</b>	9169678; GB2507452; ES2507452; DE2507452; FR2507452
<b>HA2629</b>	Patent Pending
<b>HA2630</b>	Patent Pending
<b>HA2631</b>	Patent Pending
<b>HA2754</b>	10443279; EP3344834
<b>H2800</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>H3125</b>	10392830; GB3191666; ES3191666; FR3191666; DE602015041342.3; Patent Pending
<b>HA323</b>	FR973250
<b>HA690</b>	GB1245769; FR1245769
<b>HA900</b>	6755448; GB1270406; FR1270406
<b>HA938</b>	6971689
<b>HA950</b>	7578475; GB1446543; ES1446543; IT1446543; DE1446543; FR1446543; CA2462760

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HA953	7578475; GB1446543; ES1446543; IT1446543; DE1446543; FR1446543; CA2462760

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