

## **PATENT NOTICE**

### **National Instruments Software Related Patents**

With respect to the National Instruments software product(s) being used, the following patents may apply:

#### **LabVIEW**

The LabVIEW software is covered by one or more of the following Patents:  
United States Patent No(s): 5,475,851; 5,481,740; 5,481,741; 5,497,500; 5,504,917;  
5,583,988; 5,610,828; 5,652,909; 5,732,277; 5,734,863; 5,737,622; 5,764,546; 5,784,275;  
5,821,934; 5,847,953; 5,905,649; 5,920,479; 5,966,532; 5,974,254; 5,987,246; 5,990,906;  
6,053,951; 6,064,409; 6,064,812; 6,064,816; 6,102,965; 6,138,270; 6,173,438; 6,282,699;  
6,370,569; 6,437,805; 6,526,566; 6,690,981; 6,751,653; 6,802,053; 6,874,148; 6,880,130;  
6,954,904; 6,971,065; 6,976,222; 6,990,652; 7,000,190; 7,017,123; 7,024,631; 7,028,222;  
7,043,693; 7,043,696; 7,058,899; 7,069,517; 7,076,740; 7,076,411; 7,120,874; 7,120,876;  
7,120,877; 7,134,081; 7,134,085; 7,134,086; 7,152,116; 7,159,183; 7,185,287; 7,200,817;  
7,200,838; 7,210,117; 7,213,207; 7,216,334; 7,287,230; 7,293,112; 7,302,675; 7,331,037;  
7,340,684; 7,340,737; 7,356,774; 7,367,028; 7,376,904; 7,444,595; 7,451,436; 7,478,337;  
7,478,349; 7,480,906; 7,484,200; 7,506,304; 7,512,931; 7,523,441; 7,530,052; 7,533,347;  
7,543,281; 7,559,032; 7,565,609; 7,568,172; 7,574,690; 7,593,944; 7,603,652; 7,606,950;  
7,624,375; 7,624,375; 7,631,295; 7,647,578; 7,650,594; 7,669,185; 7,689,917; 7,701,869;  
7,703,027; 7,703,034; 7,725,877; 7,730,450; 7,743,335; 7,743,362; 7,761,846; 7,761,847;  
7,765,278; 7,765,493; 7,793,273; 7,802,229; 7,831,680; 7,836,426; 7,840,904; 7,844,908;  
7,844,911; 7,913,170; 7,954,082; 7,954,097; 7,975,228; 7,979,841; RE42,579;  
8,015,542; 8,028,241; 8,028,242; 8,037,369; 8,046,739; 8,074,177; 8,074,203; 8,078,980;  
Design Patent No(s): D384050; D384051; D384052, D387750  
European Patent No(s): 1004072; 1004085

#### **LabVIEW FPGA Software/Hardware (includes CompactRIO)**

The LabVIEW FPGA software and hardware is covered by one or more of the following Patents:

U.S. Patent No(s): 6,219,628; 6,311,149; 6,584,601; 6,608,638; 6,934,667;  
6,934,668; 6,954,724; 6,961,686; 6,983,228; 6,993,466; 7,010,470; 7,016,811; 7,024,660;  
7,028,222; 7,085,670; 7,089,466; 7,152,027; 7,177,786; 7,290,244; 7,316,009; 7,336,631;  
7,558,711; 7,565,280; 7,594,226; 7,650,264; 7,689,727; RE41,228; 7,707,014;  
7,865,349; 7,945,895

#### **LabVIEW Real Time**

The LabVIEW Real Time (LabVIEW-RT) software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,173,438; 6,715,139; 6,961,686; 6,993,466; 7,028,222;  
7,168,072; 7,565,654; 7,568,198

### LabVIEW Signal Processing Toolset

The LabVIEW Signal Processing Toolset is covered by one or more of the following Patents:

U.S. Patent No(s): 5,353,233; 6,108,609; 6,434,515; 6,697,766; 6,882,958; 6,965,068;

European Patent No(s): 0632899

Japanese Patent No(s): 2,697,957

### LabVIEW Datalogging and Supervisory Control Module

The LabVIEW Datalogging and Supervisory Control Module is covered by one or more of the following Patents:

U.S. Patent No(s): 5,966,532; 6,053,951; 6,411,987; 6,505,247; 6,721,677; 6,745,175; 7,383,315

### NI Sound and Vibration Toolkit

The NI Sound and Vibration Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 6,721,673; 6,775,629; 7,124,042

### LabVIEW Spectral Measurements Toolkit

The LabVIEW Spectral Measurements Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 6,721,673; 6,775,629

### LabVIEW PID Control Toolset

The LabVIEW PID Control Toolset is covered by one or more of the following Patents:

U.S. Patent No(s): 6,081,751; 6,317,637

### LabVIEW VI Analyzer Toolkit

The LabVIEW VI Analyzer Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 7,650,574; 7,650,594

### LabVIEW Statechart Module

The LabVIEW Statechart Module is covered by one or more of the following Patents:

U.S. Patent No(s): 7,694,273; 7,818,716; 7,882,445;

### LabVIEW State Machine Toolkit

The LabVIEW State Machine Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 7,882,490; 7,882,491

### NI Sound and Vibration Measurement Suite

The NI Sound and Vibration Measurement Suite is covered by one or more of the following Patents:

U.S. Patent No(s): 6,332,116; 6,324,487; 6,366,862; 6,453,273; 6,477,472; 6,721,673; 6,775,629; 7,124,042

#### LabVIEW Mobile Module for Handheld Devices

The LabVIEW Mobile Module for Handheld Devices is covered by one or more of the following Patents:

U.S. Patent No(s): 6,876,368; 7,647,562

#### LabVIEW Control Design and Simulation Module

The LabVIEW Control Design and Simulation Module is covered by one or more of the following Patents:

U.S. Patent No(s): 7,043,693; 7,340,684; 7,506,304; 7,530,052; 7,979,843; 7,987,448

#### LabVIEW GPS Simulation Toolkit

The LabVIEW GPS Simulation Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 8,040,276

#### Lookout

The Lookout software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,411,987; 6,505,247

#### IVI Driver Toolset

The IVI Driver Toolset is covered by one or more of the following Patents:

U.S. Patent No(s): 5,963,726; 6,085,156; 6,223,134; 6,405,145; 6,418,392

#### Measurement Studio

The Measurement Studio software is covered by one or more of the following Patents:

U.S. Patent No(s): 5,870,088; 5,974,257; 6,259,428; 6,370,569; 6,486,893; 6,515,682; 6,542,166; 7,134,081; 7,703,032

#### LabWindows/CVI

The LabWindows/CVI software is covered by one or more of the following Patents:

U.S. Patent No(s): 5,583,988; 6,370,569; 7,134,081; 7,761,859; 8,042,095

#### TestStand

The TestStand software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,401,220; 6,397,378; 6,473,707; 6,507,842; 6,577,981; 6,754,850; 6,829,733; 6,868,508; 6,907,557; 6,971,084; 7,093,249; 7,143,361; 7,146,572; 7,191,361; 7,451,358; 7,480,826; 7,519,867; 7,613,954; 7,849,444; 7,954,009

### Signal Express

The Signal Express software is covered by one or more of the following Patents:  
U.S. Patent No(s): 7,200,529; 7,366,993; 7,496,480; 7,650,589; 7,937,665

### MathScript

The MathScript software is covered by one or more of the following Patents:  
U.S. Patent No(s): 7,954,059; 7,975,233;

### VeriStand

The VeriStand software is covered by one or more of the following Patents:  
U.S. Patent No(s): 7,533,347; 7,624,375

### NI-VISA

The NI-VISA software is covered by one or more of the following Patents:  
U.S. Patent No(s): 5,627,998; 5,640,572; 5,710,727; 5,717,614; 5,724,272;  
5,771,388; 5,847,955

### NI-DAQ

The NI-DAQ software is covered by one or more of the following Patents:  
U.S. Patent No(s): 5,619,702; 5,781,137; 5,781,138; 5,925,109; 5,926,775;  
5,974,257; 5,987,530; 6,016,112; 6,020,838; 6,049,298; 6,052,743; 6,067,584; 6,073,205;  
6,096,094; 6,148,438; 6,243,738; 6,349,274; 6,572,403; 6,839,777; 6,873,928; 7,130,760;

### NI-DAQmx

The NI-DAQ software is covered by one or more of the following Patents:  
U.S. Patent No(s): 6,879,926; 6,944,606; 6,965,800; 7,089,141 7,162,387;  
7,290,069; 7,293,058; 7,499,824; 7,647,578; 7,849,210; 7,969,431

### NI-488

The NI-488 or NI-488.2 (NI-GPIB) software is covered by one or more of the following Patents:  
U.S. Patent No(s): 5,958,028; 5,964,892; 5,974,541; 5,987,530; 6,073,205;  
6,393,493; 6,412,028; 6,633,937; 6,681,057

### NI Fieldbus

The NI Fieldbus software, including one or more of the NI-FBUS Configurator software or the NI-FBUS Monitor software, is covered by one or more of the following Patents:  
U.S. Patent No(s): 5,796,721; 5,850,523; 5,854,890; 5,971,581; 5,978,850;  
6,076,952; 6,141,596

### NI-IMAQ

The NI-IMAQ software is covered by one or more of the following Patents:  
U.S. Patent No(s): 6,012,109; 6,161,154; 7,293,112

### NI-CAN

The NI-CAN software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,122,713; 6,845,416

### NI-DNET

The NI-DNET software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,122,713

### NI-SoftMotion

The NI-SoftMotion software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,865,441; 7,076,322; 7,103,424; 7,863,851; 7,865,349;  
8,082,515

### NI-Motion

The NI-Motion software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,823,221; 6,820,032; 6,980,869; 7,369,917; 7,379,777;  
7,542,810

### Motion Assistant

The Motion Assistant software is covered by one or more of the following Patents:

7,076,322; 7,076,332; 7,702,416; 7,702,417; 7,849,416; 7,930,643; 7,937,665;  
7,992,129

### Serial Bus Related Software

NI software which involves communication over a serial bus may be covered by one or more of the following patents:

U.S. Patent No(s): 5,987,530; 5,875,313; 5,937,175; 5,953,511; 6,073,205;  
6,839,777; 6,968,464; 7,043,565

### Vision Processing Related Software

The Vision processing related software (including IMAQ Vision) is covered by one or more of the following Patents:

U.S. Patent No(s): 6,219,452; 6,222,940; 6,229,921; 6,256,625; 6,370,270;  
6,366,686; 6,493,079; 6,535,640; 6,615,158; 6,665,066; 6,665,335; 6,681,284; 6,757,428;  
6,931,633; 6,909,801; 6,917,710; 6,944,331; 6,950,552; 6,959,104; 6,963,425; 6,963,667;  
6,985,977; 7,013,047; 7,034,831; 7,039,229; 7,046,842; 7,079,141; 7,120,301; 7,127,100;  
7,133,538; 7,136,505; 7,139,432; 7,139,979; 7,158,677; 7,171,048; 7,212,673; 7,233,699;  
7,269,286; 7,293,112; 7,327,887; 7,340,089; 7,397,956; 7,450,765; 7,559,060; 7,668,376;  
7,936,928;

### Vision Builder Software

The Vision Builder software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,763,515; 7,051,317; 7,139,979; 7,146,347; 7,864,178;  
7,937,665; 8,068,660

### Vision Assistant Software

The Vision Builder software is covered by one or more of the following Patents:  
U.S. Patent No(s): 6,763,515; 7,139,979; 7,146,347; 7,937,665

### MatrixX

The MatrixX software is covered by one or more of the following Patents:  
U.S. Patent No(s): 5,612,866;

### IEEE 1394 Related Software

The IEEE 1394 related software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,640,312

### Measurement and Automation Explorer (MAX)

The MAX software is covered by one or more of the following Patents:  
U.S. Patent No(s): 6,690,390; 7,130,760; 7,134,109; 7,152,116

### Electronic Commerce / Web Site Software (including the PXI Configurator)

Electronic Commerce / Web Site Software (including the PXI Configurator) is covered by one or more of the following Patents:

U.S. Patent No(s): 6,985,876; 7,430,524; 7,558,694

### Switch Executive Software

The Switch Executive software is covered by one or more of the following Patents:

U.S. Patent No(s): 7,017,138; 7,062,716; 7,764,619

### Data Socket Technology

NI products which incorporate Data Socket technology are covered by one or more of the following Patents:

U.S. Patent No(s): 6,370,569; 6,526,566; 6,643,691; 6,751,653; 6,763,395; 6,971,065; 7,134,085; 7,152,116; 7,237,013;

### LABVIEW Simulation Interface Toolkit

The LABVIEW Simulation Interface Toolkit has numerous patents pending

### Diadem

The Diadem software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,886,165; 6,934,783; 7,383,315; 7,647,600; 8,055,637; 8,060,483

### DataFinder

The DataFinder software is covered by one or more of the following Patents:

U.S. Patent No(s): 8,055,637; 8,060,483

### SoftWire

The SoftWire software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,425,120; 6,425,121; 6,684,385; 6,701,513; 7,340,721

### Electronics Workbench

The Electronics Workbench software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,560,572

### Installation and Deployment Software

The NI installation and deployment software, which is used for installation and/or deployment of most, if not all, NI software products, is covered by one or more of the following Patents:

U.S. Patent No(s): 7,228,541 (LabVIEW, CVI, and TestStand only); 7,478,385

## **National Instruments Hardware Related Patents**

With respect to the National Instruments hardware product(s) being used, the following patents may apply:

### PCI, CompactPCI, PXI, VXI, SCXI, IEEE 1394, and USB Hardware Products

National Instruments hardware products that interface to one or more of PCI, CompactPCI, PXI, VXI, IEEE 1394, and USB are covered by one or more of the following Patents:

U.S. Patent No(s): 5,659,749; 5,664,092; 5,678,063; 5,686,917; 5,694,333; 6,098,124; 6,608,755; 7,137,855; 7,146,283; 7,149,093; 7,254,025; 7,268,642; 7,240,231; 7,355,850; 7,535,315; 7,626,474; 7,631,097; 7,644,207; 7,649,726; 7,849,210

### Modular Instruments

National Instruments modular instruments are covered by one or more of the following Patents:

U.S. Patent No(s): 6,957,239; 7,340,357; 7,315,172; 7,315,791; 7,383,140; 7,434,124; 7,451,049; 7,478,256; 7,624,294; 7,644,207; 7,649,726

### IEEE 1394 Hardware Products

National Instruments hardware products implementing IEEE 1394, including DAQ, GPIB and VXI hardware products implementing IEEE 1394, are covered by one or more of the following Patents:

U.S. Patent No(s): 5,875,313; 5,937,175; 5,953,511; 6,418,504; 6,425,033

### Flex Hardware Products

National Instruments "flexible resolution" ("Flex") products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,734,261; 5,781,137; 5,781,138; 5,935,466; 5,955,979; 6,016,112; 6,020,838; 6,049,298; 6,232,897; 6,359,575; 6,380,874; 6,583,741

### Measurement Hardware Products

National Instruments measurement hardware products (including data acquisition (DAQ), computer-based instruments, and signal sources) are covered by one or more of the following Patents:

U.S. Patent No(s): 5,313,622; 5,533,037; 5,646,620; 5,648,918; 5,654,654; 5,734,261; 5,751,536; 5,765,949; 5,781,137; 5,781,138; 5,841,383; 5,842,006; 5,886,660; 5,909,660; 5,935,466; 5,955,979; 5,980,298; 6,016,112; 6,020,838; 6,049,298; 6,098,124; 6,140,859; 6,166,673; 6,188,347; 6,232,831; 6,232,897; 6,243,034; 6,249,125; 6,285,095; 6,323,792; 6,311,149; 6,359,946; 6,373,423; 6,380,874; 6,459,707; 6,513,086; 6,529,355; 6,542,838; 6,583,741; 6,594,612; 6,608,516; 6,970,118; 6,989,663; 7,016,796; 7,042,376; 7,079,611; 7,095,280; 7,140,907; 7,183,854; 7,215,197; 7,239,184; 7,268,642; 7,324,356; 7,325,171; 7,327,189; 7,339,418; 7,340,541; 7,367,712; 7,369,078; 7,378,835; 7,423,480; 7,423,480; 7,443,332; 7,480,126; 7,535,315; 7,644,207; 7,649,726; 7,849,210

### GPIB Hardware Products

National Instruments GPIB hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,287,528; 5,315,706; 5,572,525; 5,572,684; 5,649,123; 5,649,129; 5,734,876; 5,815,690; 5,896,552; 6,038,617  
European Patent No(s): 0465221

### Vision / IMAQ Hardware Products

National Instruments Vision or IMAQ hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,313,622; 5,842,006; 6,012,109; 6,161,154; 6,720,968; 6,970,182; 6,971,066;

### VXI Hardware Products

National Instruments VXI hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,748,916; 5,796,963; 5,822,554; 5,995,376; 6,075,690; 5,850,571

### FieldPoint Products

National Instruments FieldPoint products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,065,068; 6,098,117; 6,175,932; 6,182,179; 6,226,762; 7,725,627  
Design Patent No(s): D417198

### Fieldbus Hardware Products

National Instruments Fieldbus hardware products (including Foundation Fieldbus, CAN and DeviceNet) are covered by one or more of the following Patents:

U.S. Patent No(s): 5,938,754

### MXI-3 and MXI-4 Module Products

National Instruments MXI-3 and MXI-4 Module products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,425,033; 6,418,504; 6,950,440; 6,968,464; 7,607,070;

### Radio Frequency (RF) Products

National Instruments RF products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,268,642; 7,535,315; 7,969,254

### CompactRIO Products

National Instruments CompactRIO products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,823,283; 7,254,512; 7,478,006; 7,509,445; 7,512,512; 7,512,725; 7,542,867; 7,836,426; 7,865,326; 7,881,899

### PXI Express

National Instruments PXI Express products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,981,086; 6,941,390

### PC Cards

PC Cards manufactured and/or sold by National Instruments are licensed under one or more of the following Patents:

U.S. Patent No(s): 4,603,320; 4,972,470

### NI-ELVIS

The NI-ELVIS product is covered by one or more of the following Patents:

U.S. Patent No(s): 6,895,563; 7,849,210

### Smart Camera

National Instruments Smart Camera products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,327,396; 7,532,249; 7,760,238; 7,791,671; 7,915,570

### Power Supplies and Source Measure Units

National Instruments DC Power Supply products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,684,878; 7,903,008

Other U.S. and International Patents Pending