

10/25/02

10-25-2002



ASSIGNM

HEET

102261096

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)  
 a) **Visteon Technologies, LLC**  
**Parklane Tower East, Suite 728, One Parklane Boulevard**  
**Dearborn, Michigan 48126**

2. Name and address of receiving party(ies):  
 a) **Visteon Global Technologies, Inc.**  
**Parklane Tower East, Suite 728, One Parklane Boulevard**  
**Dearborn, Michigan 48126**

3. Nature of conveyance  
 **Other Assignment of Patents and Applications**

Execution Date: **April 1, 2002**

4. Application Number(s) or Patent Number(s): **See Attached Exhibit B**

The title of the (new) application is: N/A

5. Please send all correspondence concerning this (these) documents to:

**Beyer Weaver & Thomas, LLP**  
**P.O. Box 778**  
**Berkeley, CA 94704-0778**  
**Ph: (510) 843-6200**  
**Fax: (510) 843-6203**  
**(Customer Number: 022434)**

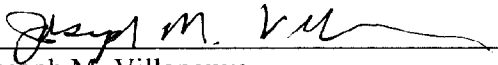
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): 25 @ \$40.00 each

Enclosed  
 Any additional fees are authorized to be charged to Deposit Account No. 500388  
 (Order No. HRZNG000)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: October 22, 2002

  
 \_\_\_\_\_  
 Joseph M. Villeneuve  
 Registration No. 37,460

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 ASSIGNMENTS DIV

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Attorney Docket No. HRZNG000

(Revised 12/01)

**PATENT**  
**REEL: 013403 FRAME: 0773**

**Exhibit B**

<b><u>Patent No./ Application No.</u></b>	<b><u>Our File No.</u></b>	<b><u>Horizon's File No.</u></b>
5,359,529	HRZNP003	92P-028
5,508,931	HRZNP004	92P-028
5,374,933	HRZNP005	92P-029
5,515,283	HRZNP008	94P-040
5,712,788	HRZNP009	95P-043
5,938,720	HRZNP010	96P-049
5,731,978	HRZNP011	95P-041
5,898,390	HRZNP012	95P-044
5,912,635	HRZNP012A	95P-044.X
5,904,728	HRZNP016	96P-047
6,253,154	HRZNP020	96P-055
5,902,350	HRZNP022	96P-058
5,910,177	HRZNP023	96P-056
5,928,307	HRZNP024	96P-057
6,144,919	HRZNP029	98P-072
6,259,987	HRZNP029D1	98P-072Div
6,298,305	HRZNP031	98P-076
6,360,165	HRZNP033	199-0727
6,282,496	HRZNP034	199-0726
09/537,005	HRZNP035	199-0887
09/656,552	HRZNP036	199-2040
09/658,235	HRZNP037	199-2043
09/801,475	HRZNP038	V200-0175
09/801,476	HRZNP039	V200-0452
09/834,556	HRZNP040	V200-0172

Assignment of Patents and Applications

WHEREAS, Visteon Technologies, LLC, a Delaware limited liability company, having a place of business located at Parklane Tower East, Suite 728, One Parklane Boulevard, Dearborn, Michigan 48126 (hereinafter referred to as "Assignor"), is the owner of the inventions, Patents and Applications for Patent listed on Exhibits A and B attached hereto.

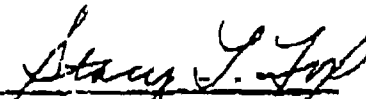
WHEREAS, Visteon Global Technologies, Inc., a Michigan corporation having a place of business located at Parklane Tower East, Suite 728, One Parklane Boulevard, Dearborn, Michigan 48126, (hereinafter referred to as "Assignee"), desires to acquire said Patents and Applications for Patent and the rights to the inventions described therein.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, Visteon Technologies, LLC the undersigned Assignor, acknowledges that it hereby sells, assigns, transfers and conveys unto the above named Assignee, its entire right, title and interest in and to the inventions described in the attached Patents and Applications for Patent for the territory of the United States and its possessions and territories and for all foreign countries; and has sold, assigned, transferred, and conveyed unto the above named Assignee, the whole and entire right, title and interest in and to the attached Patents and Applications for Patent and any and all United States Patents which may be granted on said inventions including divisions, reissues and continuations, and all foreign Patents which may be granted on said inventions, including any and all causes of action for infringement thereof and the right to sue to past damages for such infringement that has occurred on or before the date of execution of this Assignment.

To be held and enjoyed by the Assignee, and for Assignee's legal representatives and assigns, as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made; and Assignor hereby covenants, agrees, undertakes to execute, whenever requested by the above-named Assignee, all Patent Applications, assignments, lawful oaths and any other papers which Assignee may deem necessary or desirable for securing to Assignee or for maintaining for Assignee all the said Patents and Applications for Patent hereby assigned; all without further compensation to the undersigned Assignor.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be signed in its corporate name by its duly authorized officer effective as of the 1st day of April, 2002.

Visteon Technologies, LLC

By:   
Name: Stacy L. Fox  
Title: Authorized Officer

STATE OF MICHIGAN     )  
                                  ) ss.  
COUNTY OF WAYNE     )

Before me the undersigned Authority, on this 1st day of April, 2002, personally appeared Stacy L. Fox, personally known to me (or proven to me on the basis of satisfactory evidence) to be person who executed the foregoing instrument as an officer of Visteon Technologies, LLC, the limited liability company therein named, and acknowledged to me that the instrument was the free deed and act of said limited liability company for the purpose therein set forth and intending to be legally bound thereby and intending that this instrument be recorded.

*Donna M. Bartosik*

Notary Public,

Wayne County, Michigan

My Commission Expires: 3-6-03

**DONNA M. BARTOSIK  
NOTARY PUBLIC, WAYNE COUNTY, MICHIGAN  
MY COMMISSION EXPIRES MARCH 6, 2003**

**Exhibit A**

Patents

199-0726	6,282,496	Inertial guidance/dead reckoning
199-0727		VP compensation when no GPS, slip, etc
199-2040		Destination w/phone number association
199-2042		POI search within separate regions
91P-012		VP /map matching
91P-015		Correcting GPS position in hybrid Nav system
91P-019		Off-route calc and U-turn selection
91P-020		Off-Route detection and route recalculation
91P-021		Off-route detection and route re-calculation
91P-024		accurate determination of angular velocity
92P-028	5,359,529	RG On/Off route state filter
92P-028	5,508,931	Route Guidance on/off -Route State Filter
92P-029	5,374,933	Position correction method
92P-031		Vehicle heading display
92P-034		turn icon selection (forked road intersection)
94P-040	5,515,283	Identify highway access ramps for route calc
96P-047	5,904,728	Voice guidance for 2 close manuvuers
96P-055	6,253,154 B1	correction of angular speed using Azimuth detection sensor
96P-064		Resume route guidance after power resumes
96P-065		DOS file system, Fast file access (using FAT)
98P-073		Gyro zero determination
PA-68450		relative travel direction of the vehicle
PA-68470		Relative bearing detection system
PA-68510		Pause route guidance
PA-71060		Intersection determination
PA-83000		Method of issue alarm when vehicle crossing
PA-91869		Method For Detecting Relative Travel of a Vehicle
PA-91920		Vehicle Navigation System
PA-91985		Navigation system for use in a vehicle
PA-91999		Use intersection as origin to calc. Destination
V200-0175		Indicating direction to destination
V200-0452		Dynamic POI display
199-0887		Multiple audio files used for voice guidance
199-2036		separate prev destination list for individual user
199-2043		Smart Sepller search & display
91P-002		Correcting drift errors in angular rate sensor
91P-010		Correct vehicle heading w/magnetic heading
91P-018		route calculatin between multiple locations

91P-022		Route guidance along a pre-calced optimal route
91P-023		Route guidance along a pre-calced optimal route
92P-027	5,345,382	Calibration method fo a relative heading sensor
92P-032		recalc selection
93P-035		Cobsole for Nav system
95P-041	5,731,978	recognition of geographical region type
95P-043	5,712,788	Incremental route calculation (cost value base)
95P-044	5,898,390	Calibration of a distance sensor
95P-044	5,912,635	Calibration of a distance sensor
96P-049	5,938,720	route ways route generation
96P-056	5,910,177	Partial route calc w/cost associate w/2nd manu
96P-057	5,928,307	Determine an alternative route (detour)
96P-058	5,902,350	Turn lane connector & manuvuer
96P-059		Timed turn & timed lane restrictions
96P-061		Roundabout displaying?
97P-067		Off-board destination entry
97P-068		NavMate box
98P-070		Use actual vehicle speed to calc. "fastest route"
98P-072	6,144,919	Non-digitized cities for route calculation
98P-072	6,259,987 B1	Non-digitized cities for route calculation
98P-076	6,298,305	voice instruction comprises for a manuvuer
PA-71470		emable an absolute advancing azimuth
PA-75620		map display using two storage media
PA-82390		vehicle automatically enters parking lot?
PA-82400		Self propelling control method for vehicle
PA-91870		Method for detecting relative travel direction of a vehicle
PA-91924		Storage medium for map information.
V200-0172		condition changes display for behind vehicle
V200-0180		Route seg. Cross water channel
V200-0875		Destination entry via GLYPH to digital translation
V200-0880		Nav system with separate display
V201-0067		Multi-point for destination?
V201-0159		Navmate 2.1 and main unit design
V201-0162		Combo Nav system w/ Radar detection system
V201-0734		Method for ducking Nav in multiple vehicles
V201-0903		Method to remember last vehicle position
V201-0916		Vehicle safety data collection and analyzation

Trademarks: Navmate

Copyrights: Navmate 2.0  
Navmate 2.1