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| <p>3. Nature of conveyance:<br/><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br/><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br/><input type="checkbox"/> Other</p> <p>Execution Date: <b>JULY 14, 1999</b></p> |  |

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4. Application number (s) or patent number (s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) **09/033,155** B. Patent No.(s)

Additional numbers attached? Yes  No

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|--|---|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:<br/>Name: <b>Harold Pezzner, Esquire</b></p> <p>Internal Address: <b>CONNOLLY BOVE LODGE &amp; HUTZ LLP</b></p> <p>Street Address: <b>P.O. BOX 2207</b></p> <p>City: <b>WILMINGTON</b> State: <b>DE</b> Zip: <b>19899</b></p> | <p>6. Total Number of applications and patents involved: <u>(1)</u></p> <p>7. Total Fee (37 CFR 3.41) <b>\$40.00</b><br/><input checked="" type="checkbox"/> Enclosed<br/>Authorized to be charged to deposit account</p> <p>8. Deposit account number: <b>03-2775</b> (If any additional fee is required)</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p> |
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9. Statement and Signature  
*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.*

Harold Pezzner Harold Pezzner 7/22/99  
Name of Person Signing Reg. No. 22,112 Signature Date

Attorney Docket #: **ASTRO-6** Total number of pages comprising cover sheet: (1)

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ASSIGNMENT

FOR VALUE RECEIVED Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York (hereinafter CORNING) hereby sells, assigns and transfers unto AstroPower, Inc., a corporation organized under the laws of the state of Delaware located at Solar Park, Newark, DE 19716 its entire right, title and interest for all countries in and to certain inventions relating to "COLUMNAR-GRAINED POLYCRYSTALLINE SOLAR CELL SUBSTRATE AND IMPROVED METHOD OF MANUFACTURE", such invention being generally described in an application for letters patent of the United States, Serial No. 09/033,155, filed March 2, 1998, and in any future patent applications claiming the benefit of the filing date of that application and all rights and privileges under any and all Letters Patent that may be granted therefore.

Signed at Corning, NY, this

July 14 1999

Corning Incorporated

BY: [Signature]

State of New York:

: ss.

County of Steuben:

Alfred L.

On this 14th day of July, 1999, before me personally came Michaelson known to be the person described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary

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MICHELE N O'DELL  
Notary Public, State of New York  
Schuyler County No. 4712316  
Term Expires 5/31/2000