To the Honorable Commission.

1. Name of conveying party(ies):
   Franco E. Di Padova
   Walter Schuler

Additional name(s) of conveying party(ies) attached?  □ Yes  □ No

3. Nature of conveyance:
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Execution Date: July 22, 2002

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)
      10/221,529

Additional numbers attached?  □ Yes  □ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name:  Novartis
   Internal Address: Corporate Intellectual Property
   Street Address: One Health Plaza, Building 104
   City: East Hanover  State: NJ  ZIP: 07936-1080

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)  $ 40
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8. Deposit account number:
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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.

   Thomas R. Savitsky
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PATENT
REEL: 018671 FRAME: 0964
for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to Novartis AG, a Company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, 4056 Basel, Switzerland, its successors, assigns and legal representatives all my/our right, title and interest, in and for the United States of America, in and to the invention entitled:

ANTIBODIES TO HUMAN CD154

invented by me/us and described in the international application

No.  PCT/EP 01/02875  filed 14/03/2001

and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by the said Novartis AG, its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said Novartis AG.

Signed on

Franco E. DI PADOVA  22-07-2002

Walter SCHULER  July 22, 2002