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Dickstein(DSM&O) ;

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PATENT APPLICATION ASSIGNMENT
SOLE OR JOINT INVENTORS
EXECUTED OUTSIDE U.S.A.

FILE NO.

WHEREAS, I (We), TSUGUO MARU of Tokyo, Japan
as assignor(s), have invented certain improvements in INTERLEAVING SEQUENCE
GENERATOR, INTERLEAVER, TURBO ENCODER, AND TURBO DECODER
for which an application for United States Letters Patent has been executed by me
(us) of even date herewith;
corresponding to International Application No. PCT/JP02/12082 filed November 19,
2002; and

WHEREAS, NEC Corporation, address:
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan
as assignee, is desirous of acquiring all right, title and interest in and to said
invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good
and valuable consideration, the receipt of which is hereby acknowledged, I (We), as
assignor(s), hereby sell, assign and set over to said assignee(s) the entire right, title
and interest for the United States and all other countries in and to said invention and
the aforesaid application for Patent, all original, divisional, continuation, substitute
or reissue applications and patents applied for or granted therefor in the United
States and all other countries, including all rights of priority from the filing of said
application, and all rights for past infringement, and the Commissioner of Patents
and Trademarks is hereby authorized and requested to issue all patents on said
inventions or resulting therefrom to said assignee(s) herein, as assignee(s) of the
entire interest therein; and the undersigned for myself (ourselves) and my (our) legal
representatives, heirs and assigns do hereby agree and covenant without further
remuneration, to execute and deliver all divisional, continuation, reissue and other
applications for Patent on said inventions and all assignments thereof to said
assignee(s) or its assigns, to communicate to said assignee(s) or its (their)
representatives all facts known to the undersigned respecting said inventions,
whenever requested, to testify in any interferences or other legal proceedings in
which any of said applications or patents may become involved, to sign all lawful
papers, make all rightful oaths, and to do generally everything necessary to assist
assignee, its successors, assigns and nominees to obtain patent protection for said
invention in the United States and all other countries, the expenses incident to said
applications to be borne and paid by said assignee(s).

Date: November 2, 2004

TSUGUO MARU (X)
TSUGUO MARU

Witness:

Masato Kimura
[Signature]