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2 Version 3, 29 June 2007

3

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5 Everyone is permitted to copy and distribute verbatim copies

6 of this license document, but changing it is not allowed.

7

8 Preamble

9

10 The GNU General Public License is a free, copyleft license for

11 software and other kinds of works.

12

13 The licenses for most software and other practical works are designed

14 to take away your freedom to share and change the works. By contrast,

15 the GNU General Public License is intended to guarantee your freedom to

16 share and change all versions of a program--to make sure it remains

17 free

18 software for all its users. We, the Free Software Foundation, use the

19 GNU General Public License for most of our software; it applies also to

20 any other work released this way by its authors. You can apply it to

21 your programs, too.

22

23 When we speak of free software, we are referring to freedom, not

24 price. Our General Public Licenses are designed to make sure that you

25 have the freedom to distribute copies of free software (and charge for

26 them if you wish), that you receive source code or can get it if you

27 want it, that you can change the software or use pieces of it in new

28 free programs, and that you know you can do these things.

29

30 To protect your rights, we need to prevent others from denying you

31 these rights or asking you to surrender the rights. Therefore, you

32 have

33 certain responsibilities if you distribute copies of the software, or

34 if

35 you modify it: responsibilities to respect the freedom of others.

36

37 For example, if you distribute copies of such a program, whether

38 gratis or for a fee, you must pass on to the recipients the same

39 freedoms that you received. You must make sure that they, too, receive

40 or can get the source code. And you must show them these terms so they

41 know their rights.

42

43 Developers that use the GNU GPL protect your rights with two steps:

44 (1) assert copyright on the software, and (2) offer you this License

45 giving you legal permission to copy, distribute and/or modify it.

46

47 For the developers' and authors' protection, the GPL clearly explains

48 that there is no warranty for this free software. For both users' and

49 authors' sake, the GPL requires that modified versions be marked as

50 changed, so that their problems will not be attributed erroneously to

51 authors of previous versions.

52

53 Some devices are designed to deny users access to install or run

51 modified versions of the software inside them, although the manufacturer  
52 can do so. This is fundamentally incompatible with the aim of  
53 protecting users' freedom to change the software. The systematic  
54 pattern of such abuse occurs in the area of products for individuals to  
55 use, which is precisely where it is most unacceptable. Therefore, we  
56 have designed this version of the GPL to prohibit the practice for  
those  
57 products. If such problems arise substantially in other domains, we  
58 stand ready to extend this provision to those domains in future  
versions  
59 of the GPL, as needed to protect the freedom of users.  
60  
61 Finally, every program is threatened constantly by software patents.  
62 States should not allow patents to restrict development and use of  
63 software on general-purpose computers, but in those that do, we wish to  
64 avoid the special danger that patents applied to a free program could  
65 make it effectively proprietary. To prevent this, the GPL assures that  
66 patents cannot be used to render the program non-free.  
67  
68 The precise terms and conditions for copying, distribution and  
69 modification follow.  
70  
71 TERMS AND CONDITIONS  
72  
73 0. Definitions.  
74  
75 "This License" refers to version 3 of the GNU General Public License.  
76  
77 "Copyright" also means copyright-like laws that apply to other kinds  
of  
78 works, such as semiconductor masks.  
79  
80 "The Program" refers to any copyrightable work licensed under this  
81 License. Each licensee is addressed as "you". "Licensees" and  
82 "recipients" may be individuals or organizations.  
83  
84 To "modify" a work means to copy from or adapt all or part of the  
work  
85 in a fashion requiring copyright permission, other than the making of  
an  
86 exact copy. The resulting work is called a "modified version" of the  
87 earlier work or a work "based on" the earlier work.  
88  
89 A "covered work" means either the unmodified Program or a work based  
90 on the Program.  
91  
92 To "propagate" a work means to do anything with it that, without  
93 permission, would make you directly or secondarily liable for  
94 infringement under applicable copyright law, except executing it on a  
95 computer or modifying a private copy. Propagation includes copying,  
96 distribution (with or without modification), making available to the  
97 public, and in some countries other activities as well.

98 [REDACTED]  
99 To "convey" a work means any kind of propagation that enables other [REDACTED]  
100 parties to make or receive copies. Mere interaction with a user [REDACTED]  
through [REDACTED]  
101 a computer network, with no transfer of a copy, is not conveying. [REDACTED]  
102 [REDACTED]  
103 An interactive user interface displays "Appropriate Legal Notices" [REDACTED]  
104 to the extent that it includes a convenient and prominently visible [REDACTED]  
105 feature that (1) displays an appropriate copyright notice, and (2) [REDACTED]  
106 tells the user that there is no warranty for the work (except to the [REDACTED]  
107 extent that warranties are provided), that licensees may convey the [REDACTED]  
108 work under this License, and how to view a copy of this License. If [REDACTED]  
109 the interface presents a list of user commands or options, such as a [REDACTED]  
110 menu, a prominent item in the list meets this criterion. [REDACTED]  
111 [REDACTED]  
112 1. Source Code. [REDACTED]  
113 [REDACTED]  
114 The "source code" for a work means the preferred form of the work [REDACTED]  
115 for making modifications to it. "Object code" means any non-source [REDACTED]  
116 form of a work. [REDACTED]  
117 [REDACTED]  
118 A "Standard Interface" means an interface that either is an official [REDACTED]  
119 standard defined by a recognized standards body, or, in the case of [REDACTED]  
120 interfaces specified for a particular programming language, one that [REDACTED]  
121 is widely used among developers working in that language. [REDACTED]  
122 [REDACTED]  
123 The "System Libraries" of an executable work include anything, other [REDACTED]  
124 than the work as a whole, that (a) is included in the normal form of [REDACTED]  
125 packaging a Major Component, but which is not part of that Major [REDACTED]  
126 Component, and (b) serves only to enable use of the work with that [REDACTED]  
127 Major Component, or to implement a Standard Interface for which an [REDACTED]  
128 implementation is available to the public in source code form. A [REDACTED]  
129 "Major Component", in this context, means a major essential component [REDACTED]  
130 (kernel, window system, and so on) of the specific operating system [REDACTED]  
131 (if any) on which the executable work runs, or a compiler used to [REDACTED]  
132 produce the work, or an object code interpreter used to run it. [REDACTED]  
133 [REDACTED]  
134 The "Corresponding Source" for a work in object code form means all [REDACTED]  
135 the source code needed to generate, install, and (for an executable [REDACTED]  
136 work) run the object code and to modify the work, including scripts to [REDACTED]  
137 control those activities. However, it does not include the work's [REDACTED]  
138 System Libraries, or general-purpose tools or generally available free [REDACTED]  
139 programs which are used unmodified in performing those activities but [REDACTED]  
140 which are not part of the work. For example, Corresponding Source [REDACTED]  
141 includes interface definition files associated with source files for [REDACTED]  
142 the work, and the source code for shared libraries and dynamically [REDACTED]  
143 linked subprograms that the work is specifically designed to require, [REDACTED]  
144 such as by intimate data communication or control flow between those [REDACTED]  
145 subprograms and other parts of the work. [REDACTED]  
146 [REDACTED]  
147 The Corresponding Source need not include anything that users [REDACTED]  
148 can regenerate automatically from other parts of the Corresponding [REDACTED]  
149 Source. [REDACTED]

150 [REDACTED]  
151     The Corresponding Source for a work in source code form is that [REDACTED]  
152 same work. [REDACTED]  
153 [REDACTED]  
154     2. Basic Permissions. [REDACTED]  
155 [REDACTED]  
156     All rights granted under this License are granted for the term of [REDACTED]  
157 copyright on the Program, and are irrevocable provided the stated [REDACTED]  
158 conditions are met. This License explicitly affirms your unlimited [REDACTED]  
159 permission to run the unmodified Program. The output from running a [REDACTED]  
160 covered work is covered by this License only if the output, given its [REDACTED]  
161 content, constitutes a covered work. This License acknowledges your [REDACTED]  
162 rights of fair use or other equivalent, as provided by copyright law. [REDACTED]  
163 [REDACTED]  
164     You may make, run and propagate covered works that you do not [REDACTED]  
165 convey, without conditions so long as your license otherwise remains [REDACTED]  
166 in force. You may convey covered works to others for the sole purpose [REDACTED]  
167 of having them make modifications exclusively for you, or provide you [REDACTED]  
168 with facilities for running those works, provided that you comply with [REDACTED]  
169 the terms of this License in conveying all material for which you do [REDACTED]  
170 not control copyright. Those thus making or running the covered works [REDACTED]  
171 for you must do so exclusively on your behalf, under your direction [REDACTED]  
172 and control, on terms that prohibit them from making any copies of [REDACTED]  
173 your copyrighted material outside their relationship with you. [REDACTED]  
174 [REDACTED]  
175     Conveying under any other circumstances is permitted solely under [REDACTED]  
176 the conditions stated below. Sublicensing is not allowed; section 10 [REDACTED]  
177 makes it unnecessary. [REDACTED]  
178 [REDACTED]  
179     3. Protecting Users' Legal Rights From Anti-Circumvention Law. [REDACTED]  
180 [REDACTED]  
181     No covered work shall be deemed part of an effective technological [REDACTED]  
182 measure under any applicable law fulfilling obligations under article [REDACTED]  
183 11 of the WIPO copyright treaty adopted on 20 December 1996, or [REDACTED]  
184 similar laws prohibiting or restricting circumvention of such [REDACTED]  
185 measures. [REDACTED]  
186 [REDACTED]  
187     When you convey a covered work, you waive any legal power to forbid [REDACTED]  
188 circumvention of technological measures to the extent such [REDACTED] ↵  
189         circumvention [REDACTED]  
189 is effected by exercising rights under this License with respect to [REDACTED]  
190 the covered work, and you disclaim any intention to limit operation or [REDACTED]  
191 modification of the work as a means of enforcing, against the work's [REDACTED]  
192 users, your or third parties' legal rights to forbid circumvention of [REDACTED]  
193 technological measures. [REDACTED]  
194 [REDACTED]  
195     4. Conveying Verbatim Copies. [REDACTED]  
196 [REDACTED]  
197     You may convey verbatim copies of the Program's source code as you [REDACTED]  
198 receive it, in any medium, provided that you conspicuously and [REDACTED]  
199 appropriately publish on each copy an appropriate copyright notice; [REDACTED]  
200 keep intact all notices stating that this License and any [REDACTED]  
201 non-permissive terms added in accord with section 7 apply to the code; [REDACTED]

202 keep intact all notices of the absence of any warranty; and give all  
203 recipients a copy of this License along with the Program.  
204  
205 You may charge any price or no price for each copy that you convey,  
206 and you may offer support or warranty protection for a fee.  
207  
208 5. Conveying Modified Source Versions.  
209  
210 You may convey a work based on the Program, or the modifications to  
211 produce it from the Program, in the form of source code under the  
212 terms of section 4, provided that you also meet all of these  
conditions:  
213  
214 a) The work must carry prominent notices stating that you modified  
215 it, and giving a relevant date.  
216  
217 b) The work must carry prominent notices stating that it is  
218 released under this License and any conditions added under section  
219 7. This requirement modifies the requirement in section 4 to  
220 "keep intact all notices".  
221  
222 c) You must license the entire work, as a whole, under this  
223 License to anyone who comes into possession of a copy. This  
224 License will therefore apply, along with any applicable section 7  
225 additional terms, to the whole of the work, and all its parts,  
226 regardless of how they are packaged. This License gives no  
227 permission to license the work in any other way, but it does not  
228 invalidate such permission if you have separately received it.  
229  
230 d) If the work has interactive user interfaces, each must display  
231 Appropriate Legal Notices; however, if the Program has interactive  
232 interfaces that do not display Appropriate Legal Notices, your  
233 work need not make them do so.  
234  
235 A compilation of a covered work with other separate and independent  
236 works, which are not by their nature extensions of the covered work,  
237 and which are not combined with it such as to form a larger program,  
238 in or on a volume of a storage or distribution medium, is called an  
239 "aggregate" if the compilation and its resulting copyright are not  
240 used to limit the access or legal rights of the compilation's users  
241 beyond what the individual works permit. Inclusion of a covered work  
242 in an aggregate does not cause this License to apply to the other  
243 parts of the aggregate.  
244  
245 6. Conveying Non-Source Forms.  
246  
247 You may convey a covered work in object code form under the terms  
248 of sections 4 and 5, provided that you also convey the  
249 machine-readable Corresponding Source under the terms of this License,  
250 in one of these ways:  
251  
252 a) Convey the object code in, or embodied in, a physical product  
253 (including a physical distribution medium), accompanied by the

254     Corresponding Source fixed on a durable physical medium~~TF~~  
255     customarily used for software interchange.~~TF~~  
256     ~~TF~~  
257     b) Convey the object code in, or embodied in, a physical product~~TF~~  
258     (including a physical distribution medium), accompanied by a~~TF~~  
259     written offer, valid for at least three years and valid for as~~TF~~  
260     long as you offer spare parts or customer support for that product~~TF~~  
261     model, to give anyone who possesses the object code either (1) a~~TF~~  
262     copy of the Corresponding Source for all the software in the~~TF~~  
263     product that is covered by this License, on a durable physical~~TF~~  
264     medium customarily used for software interchange, for a price no~~TF~~  
265     more than your reasonable cost of physically performing this~~TF~~  
266     conveying of source, or (2) access to copy the~~TF~~  
267     Corresponding Source from a network server at no charge.~~TF~~  
268     ~~TF~~  
269     c) Convey individual copies of the object code with a copy of the~~TF~~  
270     written offer to provide the Corresponding Source. This~~TF~~  
271     alternative is allowed only occasionally and noncommercially, and~~TF~~  
272     only if you received the object code with such an offer, in accord~~TF~~  
273     with subsection 6b.~~TF~~  
274     ~~TF~~  
275     d) Convey the object code by offering access from a designated~~TF~~  
276     place (gratis or for a charge), and offer equivalent access to the~~TF~~  
277     Corresponding Source in the same way through the same place at no~~TF~~  
278     further charge. You need not require recipients to copy the~~TF~~  
279     Corresponding Source along with the object code. If the place to~~TF~~  
280     copy the object code is a network server, the Corresponding Source~~TF~~  
281     may be on a different server (operated by you or a third party)~~TF~~  
282     that supports equivalent copying facilities, provided you maintain~~TF~~  
283     clear directions next to the object code saying where to find the~~TF~~  
284     Corresponding Source. Regardless of what server hosts the~~TF~~  
285     Corresponding Source, you remain obligated to ensure that it is~~TF~~  
286     available for as long as needed to satisfy these requirements.~~TF~~  
287     ~~TF~~  
288     e) Convey the object code using peer-to-peer transmission, provided~~TF~~  
289     you inform other peers where the object code and Corresponding~~TF~~  
290     Source of the work are being offered to the general public at no~~TF~~  
291     charge under subsection 6d.~~TF~~  
292     ~~TF~~  
293     A separable portion of the object code, whose source code is excluded~~TF~~  
294     from the Corresponding Source as a System Library, need not be~~TF~~  
295     included in conveying the object code work.~~TF~~  
296     ~~TF~~  
297     A "User Product" is either (1) a "consumer product", which means any~~TF~~  
298     tangible personal property which is normally used for personal, family,~~TF~~  
299     or household purposes, or (2) anything designed or sold for     ↵  
300     incorporation~~TF~~  
301     into a dwelling. In determining whether a product is a consumer     ↵  
302     product,~~TF~~  
303     doubtful cases shall be resolved in favor of coverage. For a     ↵  
304     particular~~TF~~  
305     product received by a particular user, "normally used" refers to a~~TF~~  
306     typical or common use of that class of product, regardless of the     ↵

status<sup>11.2</sup>  
304 of the particular user or of the way in which the particular user<sup>11.2</sup>  
305 actually uses, or expects or is expected to use, the product. A  
product<sup>11.2</sup>  
306 is a consumer product regardless of whether the product has substantial<sup>11.2</sup>  
307 commercial, industrial or non-consumer uses, unless such uses represent<sup>11.2</sup>  
308 the only significant mode of use of the product.<sup>11.2</sup>  
309 <sup>11.2</sup>  
310 "Installation Information" for a User Product means any methods,<sup>11.2</sup>  
311 procedures, authorization keys, or other information required to  
install<sup>11.2</sup>  
312 and execute modified versions of a covered work in that User Product  
from<sup>11.2</sup>  
313 a modified version of its Corresponding Source. The information must<sup>11.2</sup>  
314 suffice to ensure that the continued functioning of the modified object<sup>11.2</sup>  
315 code is in no case prevented or interfered with solely because<sup>11.2</sup>  
316 modification has been made.<sup>11.2</sup>  
317 <sup>11.2</sup>  
318 If you convey an object code work under this section in, or with, or<sup>11.2</sup>  
319 specifically for use in, a User Product, and the conveying occurs as<sup>11.2</sup>  
320 part of a transaction in which the right of possession and use of the<sup>11.2</sup>  
321 User Product is transferred to the recipient in perpetuity or for a<sup>11.2</sup>  
322 fixed term (regardless of how the transaction is characterized), the<sup>11.2</sup>  
323 Corresponding Source conveyed under this section must be accompanied<sup>11.2</sup>  
324 by the Installation Information. But this requirement does not apply<sup>11.2</sup>  
325 if neither you nor any third party retains the ability to install<sup>11.2</sup>  
326 modified object code on the User Product (for example, the work has<sup>11.2</sup>  
327 been installed in ROM).<sup>11.2</sup>  
328 <sup>11.2</sup>  
329 The requirement to provide Installation Information does not include  
a<sup>11.2</sup>  
330 requirement to continue to provide support service, warranty, or  
updates<sup>11.2</sup>  
331 for a work that has been modified or installed by the recipient, or for<sup>11.2</sup>  
332 the User Product in which it has been modified or installed. Access  
to a<sup>11.2</sup>  
333 network may be denied when the modification itself materially and<sup>11.2</sup>  
334 adversely affects the operation of the network or violates the rules  
and<sup>11.2</sup>  
335 protocols for communication across the network.<sup>11.2</sup>  
336 <sup>11.2</sup>  
337 Corresponding Source conveyed, and Installation Information provided,<sup>11.2</sup>  
338 in accord with this section must be in a format that is publicly<sup>11.2</sup>  
339 documented (and with an implementation available to the public in<sup>11.2</sup>  
340 source code form), and must require no special password or key for<sup>11.2</sup>  
341 unpacking, reading or copying.<sup>11.2</sup>  
342 <sup>11.2</sup>  
343 7. Additional Terms.<sup>11.2</sup>  
344 <sup>11.2</sup>  
345 "Additional permissions" are terms that supplement the terms of this<sup>11.2</sup>  
346 License by making exceptions from one or more of its conditions.<sup>11.2</sup>  
347 Additional permissions that are applicable to the entire Program shall<sup>11.2</sup>  
348 be treated as though they were included in this License, to the extent<sup>11.2</sup>

349 that they are valid under applicable law. If additional permissions  
350 apply only to part of the Program, that part may be used separately  
351 under those permissions, but the entire Program remains governed by  
352 this License without regard to the additional permissions.  
353  
354 When you convey a copy of a covered work, you may at your option  
355 remove any additional permissions from that copy, or from any part of  
356 it. (Additional permissions may be written to require their own  
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361 Notwithstanding any other provision of this License, for material you  
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363 that material) supplement the terms of this License with terms:  
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365 a) Disclaiming warranty or limiting liability differently from the  
366 terms of sections 15 and 16 of this License; or  
367  
368 b) Requiring preservation of specified reasonable legal notices or  
369 author attributions in that material or in the Appropriate Legal  
370 Notices displayed by works containing it; or  
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372 c) Prohibiting misrepresentation of the origin of that material, or  
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374 reasonable ways as different from the original version; or  
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376 d) Limiting the use for publicity purposes of names of licensors or  
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379 e) Declining to grant rights under trademark law for use of some  
380 trade names, trademarks, or service marks; or  
381  
382 f) Requiring indemnification of licensors and authors of that  
383 material by anyone who conveys the material (or modified versions  
of  
384 it) with contractual assumptions of liability to the recipient, for  
385 any liability that these contractual assumptions directly impose on  
386 those licensors and authors.  
387  
388 All other non-permissive additional terms are considered "further  
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391 governed by this License along with a term that is a further  
392 restriction, you may remove that term. If a license document contains  
393 a further restriction but permits relicensing or conveying under this  
394 License, you may add to a covered work material governed by the terms  
395 of that license document, provided that the further restriction does  
396 not survive such relicensing or conveying.  
397  
398 If you add terms to a covered work in accord with this section, you  
399 must place, in the relevant source files, a statement of the

400 additional terms that apply to those files, or a notice indicating  
401 where to find the applicable terms.  
402  
403 Additional terms, permissive or non-permissive, may be stated in the  
404 form of a separately written license, or stated as exceptions;  
405 the above requirements apply either way.  
406  
407 8. Termination.  
408  
409 You may not propagate or modify a covered work except as expressly  
410 provided under this License. Any attempt otherwise to propagate or  
411 modify it is void, and will automatically terminate your rights under  
412 this License (including any patent licenses granted under the third  
413 paragraph of section 11).  
414  
415 However, if you cease all violation of this License, then your  
416 license from a particular copyright holder is reinstated (a)  
417 provisionally, unless and until the copyright holder explicitly and  
418 finally terminates your license, and (b) permanently, if the copyright  
419 holder fails to notify you of the violation by some reasonable means  
420 prior to 60 days after the cessation.  
421  
422 Moreover, your license from a particular copyright holder is  
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424 violation by some reasonable means, this is the first time you have  
425 received notice of violation of this License (for any work) from that  
426 copyright holder, and you cure the violation prior to 30 days after  
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439 occurring solely as a consequence of using peer-to-peer transmission  
440 to receive a copy likewise does not require acceptance. However,  
441 nothing other than this License grants you permission to propagate or  
442 modify any covered work. These actions infringe copyright if you do  
443 not accept this License. Therefore, by modifying or propagating a  
444 covered work, you indicate your acceptance of this License to do so.  
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446 10. Automatic Licensing of Downstream Recipients.  
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448 Each time you convey a covered work, the recipient automatically  
449 receives a license from the original licensors, to run, modify and  
450 propagate that work, subject to this License. You are not responsible  
451 for enforcing compliance by third parties with this License.  
452

453 An "entity transaction" is a transaction transferring control of an  
454 organization, or substantially all assets of one, or subdividing an  
455 organization, or merging organizations. If propagation of a covered  
456 work results from an entity transaction, each party to that  
457 transaction who receives a copy of the work also receives whatever  
458 licenses to the work the party's predecessor in interest had or could  
459 give under the previous paragraph, plus a right to possession of the  
460 Corresponding Source of the work from the predecessor in interest, if  
461 the predecessor has it or can get it with reasonable efforts.

462  
463 You may not impose any further restrictions on the exercise of the  
464 rights granted or affirmed under this License. For example, you may  
465 not impose a license fee, royalty, or other charge for exercise of  
466 rights granted under this License, and you may not initiate litigation  
467 (including a cross-claim or counterclaim in a lawsuit) alleging that  
468 any patent claim is infringed by making, using, selling, offering for  
469 sale, or importing the Program or any portion of it.

470  
471 11. Patents.

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474 License of the Program or a work on which the Program is based. The  
475 work thus licensed is called the contributor's "contributor version".

476  
477 A contributor's "essential patent claims" are all patent claims  
478 owned or controlled by the contributor, whether already acquired or  
479 hereafter acquired, that would be infringed by some manner, permitted  
480 by this License, of making, using, or selling its contributor version,  
481 but do not include claims that would be infringed only as a  
482 consequence of further modification of the contributor version. For  
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485 this License.

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488 patent license under the contributor's essential patent claims, to  
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490 propagate the contents of its contributor version.

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492 In the following three paragraphs, a "patent license" is any express  
493 agreement or commitment, however denominated, not to enforce a patent  
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